

HIGH VOLTAGE PRODUCTS

UPS

■ Standby UPS



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Porter

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■ Line-interactive UPS



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LOW VOLTAGE PRODUCTS

UPS

■ Standby UPS



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■ Line-interactive UPS



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POWER MANAGEMENT SOLUTIONS

(DC UPS/AVR/PDU/MB/EBM/PMCARD-L/DCT)



DC UPS

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EBM

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DCT

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STANDBY UPS Expert450/650/850



Expert450/650/850

KEY FEATURES

- Support APFC Equipment
- Auto-Restart/Auto-Charge
- Intelligent LED Indication
- Surge Outlet
- Cold Start Function
- Optional USB Communication Port & RJ-11/RJ-45 Protection

SPECIFICATION

Model Name	Expert450	Expert650	Expert850
Capacity	450VA/270W	650VA/360W	850VA/490W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	180-270Vac		
Frequency	50Hz/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50Hz/60Hz ±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/4.5Ah	12V/5Ah	12V/6Ah
Total Battery Quantity	1		
Recharge Time (to 90%)	8H		
Indicators			
Display	LED		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
HID Compliant USB Port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	110 x 84 x 309		
Net Weight (kg)	3.9	4.2	5
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

STANDBY UPS

Office400/600/800/1000



Office400/600/800/1000

KEY FEATURES

- High Frequency Design
- Support APFC Equipment
- Auto-Restart/Auto-Charge
- Cold Start Function
- HID USB Communication

SPECIFICATION

Model Name	Office400	Office600	Office800	Office1000
Capacity	400VA/240W	600VA/360W	800VA/480W	1000VA/600W
Input				
Nominal Voltage	220-240Vac			
Voltage Range	180-270Vac			
Frequency	50Hz/ 60Hz (Auto Sensing)			
Output				
Nominal Voltage (Batt.mode)	220-240Vac			
Frequency (Batt.mode)	50Hz/60Hz ±1%			
Waveform (Batt.mode)	Simulated Sine Wave			
Transfer Time	4ms typical			
Overload Protection	Circuit breaker or inner firmware protection			
Battery				
Battery Voltage	12V			
Battery Type	12V/4.5Ah	12V/5Ah	12V/7Ah	12V/9Ah
Total Battery Quantity	1			
Recharge Time (to 90%)	8H			
Indicators				
Display	LED			
Alarm	Batt. Mode, low battery, overload, fault, etc.			
Interface				
HID Compliant USB Port	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimension (W x H x D)(mm)	90 x 190 x 235			
Net Weight (kg)	2.2	2.8	4	6
Environment				
Operating Humidity	0-90% non-condensing			
Operating Temperature	0-40°C			

PDU TYPE UPS Porter450/650/800



KEY FEATURES

- Equip with 8 sockets
- High Frequency Design
- Support APFC Equipment
- Auto-Restart/Auto-Charge
- Cold Start Function
- HID USB Communication
- Compact Size
- Front Installation & Maintenance
- Under Counter Configuration

SPECIFICATION

Model Name	Porter450	Porter650	Porter800
Capacity	450VA/270W	650VA/360W	800VA/480W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	180-270Vac		
Frequency	50/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50/60Hz ±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/7Ah	12V/7Ah	12V/9Ah
Total Battery Quantity	1		
Recharge Time (to 90%)	8H		
Indicators			
Display	LED		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
HID Compliant USB Port	Yes		
EPO	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	438 x 86 x 153		
Net Weight (kg)	4.08	4.68	4.93
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Artisan600/800/1000



Artisan600/800/1000

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Wall Mount Installation
- LED/LCD Optional
- Auto-restart/Auto-charge
- Generator Compatible
- Cold Start Function
- Off-mode Charging
- Easy Battery Replacement
- HID USB Port & RJ-11/RJ-45 Protection
- USB Charge Ports (Type C/Type A)
- Optional Master/Slave Outlets

SPECIFICATION

Model Name	Artisan600	Artisan800	Artisan1000
Capacity	600VA/360W	800VA/480W	1000VA/600W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	162-290Vac		
Nominal Frequency	50/60Hz		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50/60Hz		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/7Ah	12V/7Ah	12V/9Ah
Total Battery Quantity	1		
Recharge Time (to 90%)	8H		
Indicators			
Display	LED/LCD Optional		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
HID Compliant USB Port	Yes		
RJ45/RJ11	Yes		
USB Charger	USB-A x 1 & USB-C x 1		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	166 x 118 x 288		
Net Weight (kg)	4.4	5.3	5.8
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Ultima650/850/1000

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Single Boost design/ Double Boost optional
- Compact Size
- Auto-Restart/Auto-Charge
- Cold Start Function
- Off-Mode Charging
- Optional USB Communication Port & RJ-11/RJ-45 Protection



Ultima1000

Ultima650/850

SPECIFICATION

Model Name	Ultima650	Ultima850	Ultima1000
Capacity	650VA/360W	850VA/480W	1000VA/600W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	162~290Vac (Single boost) 140~300Vac (Double boost)		
Frequency	50Hz/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50Hz/60Hz ±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		24V
Battery Type	12V/5Ah	12V/6Ah	12V/5Ah
Total Battery Quantity	1		2
Recharge Time (to 90%)	8H		
Indicators			
Display	LED		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
RS232	Optional		
USB port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	84 x 159 x 252		100 x 189 x 325
Net Weight (kg)	3.9	4.2	6.9
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Mars650/850/1000



Mars650/850/1000

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Auto-Restart/Auto-Charge
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- Optional USB/RS232 Communication Port & RJ-11/RJ-45 Protection
- Double Boost Design/Single Boost Optional

SPECIFICATION

Model Name	Mars650	Mars850	Mars1000
Capacity	650VA/360W	850VA/480W	1000VA/600W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	162~290Vac (Single boost) 140~300Vac (Double boost)		
Frequency	50/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50/60Hz ±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/7Ah	12V/9Ah	12V/9Ah
Total Battery Quantity	1		
Recharge Time (to 90%)	8H		
Indicators			
Display	LED		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
USB port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	87 x 165 x 276		
Net Weight (kg)	4.3	4.5	5.1
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Deimos1200/1500/2200



Deimos1200/1500/2200

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Single Boost Design/ Double Boost optional
- Auto-Restart/Auto-Charge
- LED/LCD Optional
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- Optional USB Communication Port & RJ-11/RJ-45 Protection

SPECIFICATION

Model Name	Deimos1200	Deimos1500	Deimos2200
Capacity	1200VA/720W	1500VA/900W	2200VA/1320W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	162~290Vac (Single boost) 140~300Vac (Double boost)		
Frequency	50Hz/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50/60Hz ±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	24V		
Battery Type	12V/7Ah	12V/9Ah	12V/9Ah
Total Battery Quantity	2		
Recharge Time (to 90%)	4H		
Indicators			
Display	LED/LCD Optional		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
USB port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	130 x 182 x 320		
Net Weight (kg)	7.0	8.7	9.9
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS City600/800/1000/1200/1500/2200



KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Single Boost Design/ Double Boost optional
- Auto-Restart/Auto-Charge
- LED/LCD Optional
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- Optional USB/RS232 Communication Port & RJ-11/RJ-45 Protection

SPECIFICATION

Model Name	City600	City800	City1000	City1200	City1500	City2200
Capacity	600VA/360W	800VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2200VA/1320W
Input						
Nominal Voltage	220-240Vac					
Voltage Range	162~290Vac (Single boost) 140~300Vac (Double boost)					
Frequency	50Hz/60Hz (Auto Sensing)					
Output						
Nominal Voltage (Batt.mode)	220-240Vac					
Frequency (Batt.mode)	50Hz/60Hz ±1%					
Waveform (Batt.mode)	Simulated Sine Wave					
Transfer Time	4ms typical					
Overload Protection	Circuit breaker or inner firmware protection					
Battery						
Battery Voltage	12V			24V		
Battery Type	12V/7Ah	12V/9Ah	12V/9Ah	12V/7Ah	12V/9Ah	12V/9Ah
Total Battery Quantity	1			2		
Recharge Time (to 90%)	8H					
Indicators						
Display	LED/LCD Optional					
Alarm	Batt. Mode, low battery, overload, fault, etc.					
Interface						
RS232	Optional					
USB port	Optional					
RJ45/RJ11	Optional					
Management						
Auto Recharge	Yes					
Auto Restart	Yes					
Power Management Software	Yes					
Physical						
Dimension (W x H x D)(mm)	96 x 138 x 286			148 x 178 x 298		
Net Weight (kg)	4.3	4.5	6.5	8.7	9.1	10.8
Environment						
Operating Humidity	0-90% non-condensing					
Operating Temperature	0-40°C					

LINE-INTERACTIVE UPS

City+600/800/1000/1200/1500/2200



City+1200/1500/2200

City+600/800/1000

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Single Boost Design/Double Boost optional
- Auto-Restart/Auto-Charge
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- Optional RS232 Communication Port & RJ-11/RJ-45 Protection
- HID USB Port
- 2 USB Charge Ports (Type A/Type C)

SPECIFICATION

Model Name	City+600	City+800	City+1000	City+1200	City+1500	City+2200
Capacity	600VA/360W	800VA/480W	1000VA/600W	1200VA/720W	1500VA/900W	2200VA/1320W
Input						
Nominal Voltage	220-240Vac					
Voltage Range	162~290Vac (Single boost) 140~300Vac (Double boost)					
Frequency	50/60Hz (Auto Sensing)					
Output						
Nominal Voltage (Batt.mode)	220-240Vac					
Frequency (Batt.mode)	50/60Hz ±1%					
Waveform (Batt.mode)	Simulated Sine Wave					
Transfer Time	4ms typical					
Overload Protection	Circuit breaker or inner firmware protection					
Battery						
Battery Voltage	12V			24V		
Battery Type	12V/7Ah	12V/9Ah	12V/9Ah	12V/7Ah	12V/9Ah	12V/9Ah
Total Battery Quantity	1			2		
Recharge Time (to 90%)	8H					
Indicators						
Display	LCD					
Alarm	Batt. Mode, low battery, overload, fault, etc.					
Interface						
RS232	Optional					
RJ45/RJ11	Optional					
USB port	Yes					
USB Charger	USB-Ax1, USB-Cx1					
Management						
Auto Recharge	Yes					
Auto Restart	Yes					
Power Management Software	Yes					
Physical						
Dimension (W x H x D)(mm)	96 x 138 x 289			148 x 178 x 298		
Net Weight (kg)	4.3	4.5	6.5	8.7	9.1	10.8
Environment						
Operating Humidity	0-90% non-condensing					
Operating Temperature	0-40°C					

LINE-INTERACTIVE UPS

Kelt3000



Kelt3000

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Single Boost Design/ Double Boost optional
- Auto-Restart/Auto-Charge
- LED/LCD Optional
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- Optional USB/RS232 Communication Port & RJ-11/RJ-45 Protection
- Metal Case

SPECIFICATION

Model Name	Kelt3000
Capacity	3000VA/1800W
Input	
Nominal Voltage	220-240Vac
Voltage Range	162-290Vac (Single boost) 140-300Vac (Double boost)
Frequency	50/60Hz (Auto Sensing)
Output	
Nominal Voltage (Batt.mode)	220-240V
Frequency (Batt.mode)	50/60Hz ±1%
Waveform (Batt.mode)	Simulated Sine Wave
Transfer Time	4ms typical
Overload Protection	Circuit breaker or inner firmware protection
Battery	
Battery Voltage	24V
Battery Type	12V/7Ah
Total Battery Quantity	4
Recharge Time (to 90%)	8H
Indicators	
Display	LED/LCD Optional
Alarm	Batt. Mode, low battery, overload, fault, etc.
Interface	
RS232	Optional
USB port	Optional
RJ45/RJ11	Optional
Management	
Auto Recharge	Yes
Auto Restart	Yes
Power Management Software	Yes
Physical	
Dimension (W x H x D)(mm)	151 x 225 x 394
Net Weight (kg)	18
Environment	
Operating Humidity	0-90% non-condensing
Operating Temperature	0-40°C

LINE-INTERACTIVE UPS Rock800/1200/1500

KEY FEATURES

- Pure Sine Wave
- Automatic Voltage Regulation (AVR)
- Auto-Restart/Auto-Charge
- Generator Compatible
- Cold Start Function
- Off-Mode Charging
- USB Port & RJ-11/RJ-45 Protection
- Surge Outlets



Rock1200/1500

Rock800

SPECIFICATION

Model Name	Rock800	Rock1200	Rock1500
Capacity	800VA/480W	1200VA/720W	1500VA/900W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	140-300Vac		
Frequency	50/60Hz (Auto sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50/60Hz ±1%		
Waveform (Batt.mode)	Pure Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V	24V	
Battery Type	12V/9AH	12V/7AH	12V/9AH
Total Battery Quantity	1	2	
Recharge Time (to 90%)	4H		
Indicators			
Display	LCD		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
RS232	Optional		
USB Port	Yes		
RJ45/RJ11	Yes		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	96 x 138 x 286	148 x 178 x 298	
Net Weight (kg)	4.5	8.7	10.8
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS

Altec750L/1000/1000L/1500/1500L/ 2000/2000L/3000/3000L



Altec3000L

Altec2000-4B/3000

Altec750L/1000(L)
/1500(L)/2000-2B(L)

KEY FEATURES

- Low Frequency Design With Best Stability
- Pure Sine Wave Output
- Automatic Voltage Regulation (AVR)
- User-Friendly LCD Display
- Generator Compatible
- Cold Start Function
- HID USB Communication

SPECIFICATION

Model Name	Altec 750L	Altec 1000/1000L	Altec 1500/1500L	Altec 2000/2000L	Altec 3000/3000L					
Capacity	750VA/450W	1000VA/700W	1500VA/1050W	2000VA/1400W	3000VA/2100W					
Input										
Nominal Voltage	220-240Vac									
Voltage Range	165-290Vac									
Frequency	50/60Hz (Auto Sensing)									
Output										
Nominal Voltage (Batt.mode)	220-240Vac									
Frequency (Batt.mode)	50/60Hz ±1%									
Waveform (Batt.mode)	Pure Sine Wave									
THDv	<5% @linear load; <10% @no-linear load									
Transfer Time	4ms typical									
Overload Protection	Circuit breaker or inner firmware protection									
Battery										
Model Name	750L	1000	1000L	1500	1500L	2000-2B	2000L	2000-4B	3000	3000L
Battery Voltage	12V	24V								
Battery Type	Depending on external batteries	12V/7Ah	Depending on external batteries	12V/9Ah	Depending on external batteries	12V/9Ah	Depending on external batteries	12V/7Ah	12V/9Ah	Depending on external batteries
Total Battery Quantity		2		2		2		2x2	2x2	
Recharge Time (to 90%)		4H		4H		4H		4H	4H	
Charging Current	10A	1A	10A	1A	10A	1A	10A	2A	1A	10A
Indicators										
Display	LCD									
Alarm	Batt. Mode, low battery, overload, fault, etc.									
Interface										
RS232	Yes									
HID Compliant USB Port	Yes									
SNMP	Yes									
EPO	Yes									
RJ45/RJ11	Optional									
Management										
Auto Recharge	Yes									
Auto Restart	Yes									
Power Management Software	Yes									
Physical										
Dimension (W x H x D)(mm)	140 x 191 x 327				151 x 225 x 394		196 x 342 x 416			
Net Weight (kg)	8.2	13.5	8.3	14.4	10.2	14.4	12.5	17.7	19.3	22.1
Environment										
Operating Humidity	0-90% non-condensing									
Operating Temperature	0-40°C									

LINE-INTERACTIVE UPS

Altec500R/750R/1000R/1500R/ 1200R/2200R/3000R/



KEY FEATURES

- Low Frequency Design With Best Stability
- Pure Sine Wave Output
- Automatic Voltage Regulation (AVR)
- User-Friendly LCD Display
- Cold Start Function
- Generator Compatible
- HID USB Communication

SPECIFICATION

Model Name	Altec 500R	Altec 750R	Altec 1000R	Altec 1500R	Altec 1200R	Altec 2200R	Altec 3000R
Capacity	500VA/300W	750VA/450W	1000VA/600W	1500VA/900W	1200VA/840W	2200VA/1540W	3000VA/2100W
Input							
Nominal Voltage	220-240Vac						
Voltage Range	165-290Vac						
Frequency	50/60Hz(Auto sensing)						
Output							
Nominal Voltage (Batt.mode)	220-240Vac						
Frequency (Batt.mode)	50/60±1% Hz						
Waveform (Batt.mode)	Pure Sine Wave						
THDv	≤5% @ linear load, ≤10%@non-linear load				≤ 3% @ linear load, ≤5%@non-linear load		
Transfer Time	4ms typical						
Overload Protection	Circuit breaker or inner firmware protection						
Battery							
Battery Voltage	12V		24V		24V	24V	24V
Battery Type	6V/7Ah	6V/9Ah	6V/7Ah	6V/9Ah	12V/7Ah	12V/9Ah	12V/7Ah
Total Battery Quantity	2	2	4	4	2	2	2x2
Recharge Time (to 90%)	4H	4H	4H	4H	4H	4H	4H
Charging Current	1A	1A	1A	1A	1A	1A	2A
Indicators							
Display	LCD						
Alarm	Batt. Mode, low battery, overload, fault, etc.						
Interface							
RS232	Yes				Yes		
HID Compliant USB Port	Yes				Yes		
SNMP	Yes				Yes		
EPO	Yes				Yes		
RJ45/RJ11	NA				Optional		
Management							
Auto Recharge	Yes						
Auto Restart	Yes						
Power Management Software	Yes						
Physical							
Dimension (W x H x D)(mm)	433 x 44 x 230 (1U)		433 x 44 x 389 (1U)		438 x 88 x 430 (2U)		
Net Weight (kg)	7.6	8.6	12	13	14.2	16.5	22
Environment							
Operating Humidity	0-90% non-condensing						
Operating Temperature	0-40°C						

INTELLIGENT UPS

Aviator1000R/2000R/3000R



KEY FEATURES

- (8)Switchable IECC13 Outlets
- Remote Individual Outlet Switching
- Schedule Individual Outlet Switching
- ON/OFF/Reboot Outlet Control
- Sequencing Between Outlets
- Automatic Rebooting IP Equipment System

UPS FEATURES

- Pure Sine Wave Output
- Output Power Factor 0.9
- User-Friendly Rotatable (Patent) LCD Display
- Cold Start Function & Charging Current Selectable
- Generator Compatible
- Easy Battery Replacement
- Standard Model With External Battery

SPECIFICATION

Model Name	Aviator1000R	Aviator2000R	Aviator3000R
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	165-290Vac		
Frequency	50/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	220-240Vac		
Frequency (Batt.mode)	50Hz/60Hz ±1 %		
Waveform (Batt.mode)	Pure Sine Wave		
THDv	<3% @Linear load		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Output Connections	Switchable IECC13 (8)		
Battery			
Battery Voltage	24V	48V	72V
Battery Type	12V/9AH		
Total Battery Quantity	2	4	6
Recharge Time (to 90%)	4H		
Charging Current	1A/3A/6A selectable		
Indicators			
Display	LCD		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
RS232	Yes		
HID Compliant USB Port	Yes		
EPO	Yes		
SNMP	Yes		
Dry Contact	Optional		
Management			
Outlet Programmable Management	Yes		
Easy Bat. Replacement	Yes		
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	438 x 88 x 430	438 x 88 x 430	438 x 88 x 610
Net Weight (kg)	11	16	18
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Pilot LB1000R/2000R



KEY FEATURES

- Using LiFePO4 Battery
- Long Battery Lifecycle
- Short Battery Charge Time
- High Density Design

UPS FEATURES

- Pure Sine Wave Output
- Output Power Factor 0.8
- User-Friendly Rotatable (Patent) LCD Display
- Cold Start Function & Charging Current Selectable
- Generator Compatible
- Easy Battery Replacement
- Standard Model With External Battery
- Outlet Programmable Management

SPECIFICATION

Model Name	Pilot LB1000R	Pilot LB2000R
Capacity	1000VA/800W	2000VA/1600W
Input		
Nominal Voltage	220-240Vac	
Voltage Range	165-290Vac	
Frequency	50/60 Hz (Auto Sensing)	
Output		
Nominal Voltage (Batt.mode)	220-240Vac	
Frequency (Batt.mode)	50/60Hz ±1 %	
Waveform (Batt.mode)	Pure Sine Wave	
THDv	<3% @Linear load	
Transfer Time	4ms typical	
Overload Protection	Circuit breaker or inner firmware protection	
Battery		
Battery Voltage	25.6V	51.2V
Battery Type	12.8V/6AH	
Total Battery Quantity	2	4
Battery Lifecycle	>2000	
Battery Cell Type	LFP26650P	
Recharge Time (to 90%)	1H	
Charging Current	6A	
Indicators		
Display	LCD	
Alarm	Batt. Mode, low battery, overload, fault, etc.	
Interface		
RS232	Yes	
HID Compliant USB Port	Yes	
EPO	Yes	
SNMP	Yes	
Dry Contact	Optional	
Management		
Outlet Programmable Management	Yes	
Easy Bat. Replacement	Yes	
Auto Recharge	Yes	
Auto Restart	Yes	
Power Management Software	Yes	
Physical		
Dimension (W x H x D)(mm)	438 x 88 x 310	438 x 88 x 430
Net Weight (kg)	8.4	10.8
Environment		
Operating Humidity	0-90% non-condensing	
Operating Temperature	0-40°C	

ONLINE UPS

Vast1000/2000/3000

KEY FEATURES

- Output Power Factor 0.9
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- THDi ≤ 5%



Vast3000

Vast2000

Vast1000

2000(L)/3000L Arc Pro1000(L)

SPECIFICATION

Model Name		Vast1000	Vast2000	Vast3000
Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
Input				
Nominal Voltage		208/220/230/240Vac		
Voltage Range		110-300Vac		
Nominal Frequency		50/60 Hz		
Frequency Range		40-70Hz		
Power Factor		0.99		
Output				
Nominal Voltage (Batt.mode)		208/220/230/240Vac		
Voltage Regulation		±1%		
Nominal Output Frequency		50/60Hz		
Frequency Range (batt.)		50/60Hz ±0.5%		
Waveform		Pure Sine Wave		
THDv		≤3% @linear load, ≤5% @non-linear load		
Current Crest Ratio		3:1		
Transfer Time		0ms		
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s		
	Battery Mode	105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s		
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min		
Battery				
Battery Voltage		24V	48V	72V
Battery Type		12V/9AH	12V/9AH	12V/9Ah
Total Battery Quantity		2	4	6
Recharge Time (to 90%)		4H	4H	4H
Charging Current		1A	1A	1A
Efficiency				
Efficiency (Inverter Mode)		88%	89%	90%
Efficiency (Batt. Mode)		83%	87%	88%
ECO Mode		96%	96%	96%
Indicators				
Display		LCD		
Alarm		Yes		
Interface				
RS232		Yes		
HID Compliant USB Port		Yes		
EPO		Yes		
SNMP		Yes		
Management				
Auto Recharge		Yes		
Auto Restart		Yes		
Power Management Software		Yes		
Physical				
Dimension (W x H x D)(mm)		140 x 191 x 327	151 x 225 x 394	196 x 342 x 416
Net Weight (kg)		10.1	17.14	21.3
Environment				
Operating Humidity		0-90% non-condensing		
Operating Temperature		0-40°C		
Noise Level		<50 dB		

ONLINE UPS Vast6000/6000L/10000/10000L



Vast6000-16B
Vast6000-20B
Vast10000-16B
Vast10000-20B

Vast6000L/10000L

KEY FEATURES

- Output Power Factor 0.9
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- Optional 2A/4A Charging Current for Standard Model
- Optional 8A Charging Current for Long-Run Model

SPECIFICATION

Model Name		Vast6000/6000L			Vast10000/10000L		
Capacity		6000VA/5400W			10000VA/9000W		
Input							
Nominal Voltage		208/220/230/240Vac					
Voltage Range		110-300Vac					
Nominal Frequency		50/60Hz (Auto Sensing)					
Frequency Range		(45~55)/(54~66)Hz					
Power Factor		0.99					
Output							
Nominal Voltage (Batt.mode)		208/220/230/240Vac					
Voltage Regulation		±1%					
Nominal Output Frequency		50/60Hz					
Frequency Range (batt.)		(50 ± 0.05)Hz / (60 ± 0.05)Hz					
Waveform		Pure Sine Wave					
THDv		≤3% @linear load, ≤5% @non-linear load					
Current Crest Ratio		3:1					
Transfer Time		0ms					
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 5min; >130% transfer to bypass after 10s					
	Battery Mode	100%-110% Warning, shut down after 3min; 110%-130% Warning, shut down after 30s; >130% shut down after 10s					
	Bypass Mode	110%-130% Warning, shut down after 5min; >130% shut down after 1min					
Battery							
Model Name	6000-16B	6000-20B	6000L	10000-16B	10000-20B	10000L	
Battery Voltage	192V	240V	192/240V	192V	240V	192/240V	
Battery Type	12V/7Ah		Depending on external batteries	12V/9Ah		Depending on external batteries	
Total Battery Quantity	16	20		16	20		
Recharge Time (to 90%)	4H			6H			
Charging Current	1A/2A/4A		1A/2A/4A or 8A	1A/2A/4A		1A/2A/4A or 8A	
Efficiency							
Efficiency (Inverter Mode)		93%					
Efficiency (Batt. Mode)		91%					
ECO Mode		96%					
Indicators							
Display		LCD					
Alarm		Yes					
Interface							
RS232		Yes					
HID Compliant USB Port		Yes					
EPO		Yes					
SNMP		Yes					
Management							
Auto Recharge		Yes					
Auto Restart		Yes					
Power Management Software		Yes					
Physical							
Dimension (W x H x D)(mm)		196 x 702 x 412		196 x 342 x 412		196 x 702 x 412	
Net Weight (kgs)		63	71.2	12.6	68	78.2	13
Environment							
Operating Humidity		0-90% non-condensing					
Operating Temperature		0-40°C					
Noise Level		<55 dB					

ONLINE UPS Vast1000R/1500R/2000R/3000R



KEY FEATURES

- Output Power Factor 0.9
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- THDi≤5%

SPECIFICATION

Model Name	Vast1000R	Vast1500R	Vast2000R	Vast3000R
Capacity	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W
Input				
Nominal Voltage	208/220/230/240Vac			
Voltage Range	110-300Vac			
Nominal Frequency	50/60Hz			
Frequency Range	40-70Hz			
Power Factor	0.99			
Output				
Nominal Voltage	208/220/230/240Vac			
Voltage Regulation	±1%			
Nominal Output Frequency	50/60Hz			
Frequency Range (Batt.mode)	50/60Hz ±0.5%			
Waveform	Pure Sine Wave			
THDv	≤3% @linear load, ≤5% @non-linear load			
Current Crest Ratio	3:1			
Transfer Time	0ms			
Overload Protection	AC Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s		
	Battery Mode	105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s		
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min		
Battery				
Battery Voltage	24V	36V	48V	72V
Battery Type	12V/9AH			
Total Battery Quantity	2	3	4	6
Recharge Time (to 90%)	4H			
Charging Current	1A			
Efficiency				
Efficiency (Inverter Mode)	88%	89%	89%	90%
Efficiency (Batt. Mode)	83%	85%	87%	88%
ECO Mode	96%	96%	96%	96%
Indicators				
Display	LCD			
Alarm	Yes			
Interface				
RS232	Yes			
HID Compliant USB Port	Yes			
EPO	Yes			
SNMP	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimension (W x H x D)(mm)	438 x 88 x 430			438 x 88 x 610
Net Weight (kgs)	10.42	14.72	17.15	27.6
Environment				
Operating Humidity	0-90% non-condensing			
Operating Temperature	0-40°C			
Noise Level	<50dB			

ONLINE UPS Vast6000R/6000RL/10000R/10000RL



Vast6000R(L)/10000R(L)

KEY FEATURES

- Output Power Factor 0.9
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- Rotatable LCD Display
- Optional 2A/4A Charging Current for Standard Model

SPECIFICATION

Model Name		Vast6000R/6000RL		Vast10000R/10000RL	
Capacity		6000VA/5400W		10000VA/9000W	
Input					
Nominal Voltage		208/220/230/240Vac			
Voltage Range		110-300Vac			
Nominal Frequency		50Hz/60Hz (Auto Sensing)			
Frequency Range		(45~55)/(54~66)Hz			
Power Factor		0.99			
Output					
Nominal Voltage (Batt.mode)		208/220/230/240Vac			
Voltage Regulation		±1%			
Nominal Output Frequency		50/60Hz			
Frequency Range (Batt.)		±0.5%			
Waveform		Pure Sine Wave			
THDv		≤3% @linear load, ≤5% @non-linear load			
Current Crest Ratio		3:1			
Transfer Time		0ms			
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 5min; >130% transfer to bypass after 10s			
	Battery Mode	100%-110% Warning, shut down after 3min; 110%-130% Warning, shut down after 30s; >130% shut down after 10s			
	Bypass Mode	110%-130% Warning, shut down after 5min; >130% shut down after 1min			
Battery					
Battery Voltage		192V			
Battery Type		12V/7Ah	Depending on external batteries	12V/9Ah	Depending on external batteries
Total Battery Quantity		16		16	
Recharge Time (to 90%)		4H		6H	
Charging Current		1A/2A/4A			
Efficiency					
Efficiency (Inverter Mode)		93%			
Efficiency (Batt. Mode)		91%			
ECO Mode		96%			
Indicators					
Display		LCD			
Alarm		Yes			
Interface					
RS232		Yes			
HID Compliant USB Port		Yes			
EPO		Yes			
SNMP		Yes			
Management					
Auto Recharge		Yes			
Auto Restart		Yes			
Power Management Software		Yes			
Physical					
Dimension (W x H x D)(mm)	UPS Unit: 438 x 88 x 430 Battery Pack: 438 x 88 x 665	438 x 88 x 430		UPS Unit: 438 x 88 x 430 Battery Pack: 438 x 88 x 665	438 x 88 x 430
Net Weight (kgs)	59.4	13.8		70	14.6
Environment					
Operating Humidity		0-90% non-condensing			
Operating Temperature		0-40°C			
Noise Level		<55 dB			

ONLINE UPS

Arc Pro+1000/1000L/1500/1500L/ 2000/2000L/3000/3000L



Arc Pro+2000-6B
Arc Pro+3000-6B
Arc Pro+3000-8B

Arc Pro+1000-3B
Arc Pro+1500-3B
Arc Pro+1500L
Arc Pro+2000-4B
Arc Pro+2000L
Arc Pro+3000L

Arc Pro+1000-2B
Arc Pro+1000L

KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Battery Extendable On All Models
- THDi≤5%

SPECIFICATION

Model Name	Arc Pro+1000/1000L			Arc Pro+1500/1500L		Arc Pro+2000/2000L			Arc Pro+3000/3000L		
Capacity	1000VA/1000W			1500VA/1500W		2000VA/2000W			3000VA/3000W		
Input											
Nominal Voltage	220-240Vac										
Voltage Range	80-300Vac										
Nominal Frequency	50/60 Hz										
Frequency Range	40-70Hz										
Power Factor	0.99										
Output											
Nominal Voltage (Batt.mode)	208/220/230/240Vac										
Voltage Regulation	±1%										
Nominal Output Frequency	50/60Hz										
Frequency Range (Batt.)	50Hz/60Hz±0.5%										
Waveform	Pure Sine Wave										
THDv	≤3% @linear load, ≤5% @non-linear load										
Current Crest Ratio	3:1										
Transfer Time	0ms										
Overload Protection	Line Mode	100%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s									
	Battery Mode	100%-110% Warning, shut down after 1min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s									
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min									
Battery											
Model Name	1000-2B	1000-3B	1000L	1500-3B	1500L	2000-4B	2000-6B	2000L	3000-6B	3000-8B	3000L
Battery Voltage	24V	36V	24V/36V	36V	36V	48V	72V	48V/72V	72V	96V	72V/96V
Battery Type	12V/9Ah	12V/7Ah	Depending on external batteries	12V/9Ah	Depending on external batteries	12V/9Ah	12V/7Ah	Depending on external batteries	12V/9Ah	12V/7Ah	Depending on external batteries
Total Battery Quantity	2	3		3		4	6		6	8	
Recharge Time (to 90%)	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
Charging Current	1.5A		4A/8A	1.5A	4A/8A	1.5A		4A/8A	1.5A		4A/8A
Efficiency											
Efficiency (Inverter Mode)	89%			90%		90%			91%		
Efficiency (Batt. Mode)	85%			86%		87%			88%		
ECO Mode	97%			97%		97%			97%		
Indicators											
Display	LCD										
Alarm	Yes										
Interface											
RS232	Yes										
HID Compliant USB Port	Yes										
EPO	Yes										
SNMP	Yes										
Management											
Auto Recharge	Yes										
Auto Restart	Yes										
Power Management Software	Yes										
Physical											
Dimension (W x H x D)(mm)	140 x 191 x 327	151 x 225 x 390	140 x 191 x 327	151 x 225 x 390			196 x 342 x 416	151 x 225 x 390	196 x 342 x 416		151 x 225 x 390
Net Weight (kg)	9.2	13.6	4.1	13.9	8.0	17.1	22.8	6.9	24.1	26.7	8.1
Environment											
Operating Humidity	0-90% non-condensing										
Operating Temperature	0-40°C										
Noise Level	<45 dB										



ONLINE UPS

Arc Pro+6000/6000L/10000/10000L

KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Battery Extendable On All Models
- Optional N+X Parallel Redundancy
- Optional Dot Matrix LCD

SPECIFICATION

Model Name	Arc Pro+6000/6000L				Arc Pro+10000/10000L			
Capacity	6000VA/6000W				10000VA/10000W			
Input								
Nominal Voltage	208/220/230/240Vac							
Voltage Range	80-300Vac							
Nominal Frequency	50Hz/60Hz (Auto Sensing)							
Frequency Range	(45~55)/(54~66)Hz							
Power Factor	0.99							
Output								
Nominal Voltage (Batt.mode)	208/220/230/240Vac							
Voltage Regulation	±1%							
Nominal Output Frequency	50/60Hz							
Frequency Range (batt.)	± 0.1%							
Waveform	Pure Sine Wave							
THDv	≤2% @linear load, ≤5% @non-linear load							
Current Crest Ratio	3:1							
Transfer Time	0ms							
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s						
	Battery Mode	16B&18B: 95%-130% Warning, shut down after 1min; >130% shut down after 3s 20B: 105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s						
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min						
Battery								
Model Name	6000-16B	6000-18B	6000-20B	6000L	10000-16B	10000-18B	10000-20B	10000L
Battery Voltage	192V	216V	240V	192/216/240V	192V	216V	240V	192/216/240V
Battery Type	12V/7Ah			Depending on external batteries	12V/9Ah			Depending on external batteries
Total Battery Quantity	16	18	20		16	18	20	
Recharge Time (to 90%)	4H				6H			
Charging Current	1A			4A	1A			4A
Efficiency								
Efficiency (Inverter Mode)	93%							
Efficiency (Batt. Mode)	93%							
ECO Mode	96%							
Indicators								
Display	LCD							
Alarm	Yes							
Interface								
RS232	Yes							
HID Compliant USB Port	Yes							
EPO	Yes							
SNMP	Yes							
Management								
Auto Recharge	Yes							
Auto Restart	Yes							
Power Management Software	Yes							
Physical								
Dimension (W x H x D)(mm)	196 x 702 x 412	196 x 785 x 412		196 x 342 x 412	196 x 702 x 412	196 x 785 x 412		196 x 342 x 412
Net Weight (kgs)	54	60	67	15	63.5	75	78.7	16.4
Environment								
Operating Humidity	0-90% non-condensing							
Operating Temperature	0-40°C							
Noise Level	<55 dB							

ONLINE UPS Arc Pro+1000R/1000RL/1500R/1500RL/ 2000R/2000RL/3000R/3000RL

Arc Pro+1000R-2B
Arc Pro+1000R-3B
Arc Pro+1000RL
Arc Pro+1500R-3B
Arc Pro+1500RL
Arc Pro+2000R-4B
Arc Pro+2000RL
Arc Pro+3000RL



Arc Pro+2000R-6B
Arc Pro+3000R-6B

Rack/Tower Design

KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Easy Battery Replacement
- Battery Extendable On All Models
- THDi≤5%
- Optional Outlet Programmable Management

SPECIFICATION

Model Name	Arc Pro+1000R/1000RL			Arc Pro+1500R/1500RL			Arc Pro+2000R/2000RL			Arc Pro+3000R/3000RL		
Capacity	1000VA/1000W			1500VA/1500W			2000VA/2000W			3000VA/3000W		
Input												
Nominal Voltage	208/220/230/240Vac											
Voltage Range	80-300Vac											
Nominal Frequency	50Hz/60 Hz											
Frequency Range	40-70Hz											
Power Factor	0.99											
Output												
Nominal Voltage (Batt.mode)	208/220/230/240Vac											
Voltage Regulation	±1%											
Nominal Output Frequency	50/60Hz											
Frequency Range (Batt.)	50/60 Hz ±0.5%											
Waveform	Pure Sine Wave											
THDv	≤5% @non-linear load											
Current Crest Ratio	3:1											
Transfer Time	0ms											
Overload Protection	Line Mode	100%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s										
	Battery Mode	100%-110% Warning, shut down after 1min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s										
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min										
Battery												
Model Name	1000R-2B	1000R-3B	1000RL	1500R-3B	1500L	2000R-4B	2000R-6B	2000RL	3000R-6B	3000RL		
Battery Voltage	24V	36V	24V/36V	36V	Depending on external batteries	48V	72V	48V/72V	72V			
Battery Type	12V/9AH	12V/7AH	Depending on external batteries	12V/9AH		12V/9AH	12V/7AH	Depending on external batteries	12V/9Ah	Depending on external batteries		
Total Battery Quantity	2	3		3		4	6		6			
Recharge Time (to 90%)	4H	4H	4H	4H	4H	4H	4H	4H	4H			
Charging Current	1.5A	1.5A	4A/8A	1.5A	4A/8A	1.5A	1.5A	4A/8A	1.5A	4A/8A		
Efficiency												
Efficiency (Inverter Mode)	89%			90%			90%			91%		
Efficiency (Batt. Mode)	85%			86%			87%			88%		
ECO Mode	97%			97%			97%			97%		
Indicators												
Display	LCD											
Alarm	Yes											
Interface												
RS232	Yes											
HID Compliant USB Port	Yes											
EPO	Yes											
SNMP	Yes											
Dry Contact	Optional											
Management												
Auto Recharge	Yes											
Auto Restart	Yes											
Power Management Software	Yes											
Physical												
Dimension (W x H x D)(mm)	438 x 88 x 430					438 x 88 x 430	438 x 88 x 610	438 x 88 x 430	438 x 88 x 610	438 x 88 x 430		
Net Weight (kgs)	10.42	13.1	8.4	14	8.5	17.15	22.51	8.5	27.6	12		
Environment												
Operating Humidity	0-90% non-condensing											
Operating Temperature	0-40°C											
Noise Level	<45dB							<50dB				

ONLINE UPS

Arc Pro+6000R/6000RL/10000R/10000RL



Arc Pro+6000R-16B
Arc Pro+6000R-20B
Arc Pro+6000RL
Arc Pro+10000R-16B
Arc Pro+10000R-20B
Arc Pro+10000RL

Rack/Tower Design

KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Easy Battery Replacement
- Battery Extendable On All Models
- Optional N+X Parallel Redundancy
- Optional Dot Matrix LCD

SPECIFICATION

Model Name		Arc Pro+6000R/6000RL			Arc Pro+10000R/10000RL		
Capacity		6000VA/6000W			10000VA/10000W		
Input							
Nominal Voltage		208/220/230/240Vac					
Voltage Range		80-300Vac					
Nominal Frequency		50Hz/60Hz (Auto Sensing)					
Frequency Range		(45~55)/(54~66)Hz					
Power Factor		0.99					
Output							
Nominal Voltage (Batt.mode)		208/220/230/240Vac					
Voltage Regulation		±1%					
Nominal Output Frequency		50/60Hz					
Frequency Range (Batt.)		±0.1%					
Waveform		Pure Sine Wave					
THDv		≤2% @linear load, ≤5% @non-linear load					
Current Crest Ratio		3:1					
Transfer Time		0ms					
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s					
	Battery Mode	16B: 95%-130% Warning, shut down after 1min; >130% shut down after 3s 20B: 105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s					
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min					
Battery							
Model Name	6000R-16B	6000R-20B	6000RL	10000R-16B	10000R-20B	10000RL	
Battery Voltage	192V	240V	192/240V	192V	240V	192/240V	
Battery Type	12V/7Ah		Depending on external batteries	12V/9Ah		Depending on external batteries	
Total Battery Quantity	16	20		16	20		
Recharge Time (to 90%)	4H			6H			
Charging Current	1A		4A	1A		4A	
Efficiency							
Efficiency (Inverter Mode)		93%					
Efficiency (Batt. Mode)		93%					
ECO Mode		96%					
Indicators							
Display		LCD					
Alarm		Yes					
Interface							
RS232		Yes					
HID Compliant USB Port		Yes					
EPO		Yes					
SNMP		Yes					
Management							
Auto Recharge		Yes					
Auto Restart		Yes					
Power Management Software		Yes					
Physical							
Dimension (W x H x D)(mm)	UPS Unit: 438 x 131 x 480 Battery Pack: 438 x 131 x 680		438 x 131 x 480	UPS Unit: 438 x 131 x 480 Battery Pack: 438 x 131 x 680		438 x 131 x 480	
Net Weight (kgs)	59.4	68	13.8	70	80.5	14.6	
Environment							
Operating Humidity		0-90% non-condensing					
Operating Temperature		0-40°C					
Noise Level		<55 dB					

SHORT-DEPTH 2U RACK ONLINE UPS Connor1000R/2000R/3000R



KEY FEATURES

- Output Power Factor 0.9
- 310mm Depth Design for Installation in Wall-Mount Racks
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- THDi ≤ 5%
- Rotatable LCD Display

SPECIFICATION

Model Name	Connor1000R	Connor2000R	Connor3000R
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Input			
Nominal Voltage	208/220/230/240Vac		
Voltage Range	110-300Vac		
Nominal Frequency	50/60Hz		
Frequency Range	40-70Hz		
Power Factor	0.99		
Output			
Nominal Voltage	208/220/230/240Vac		
Voltage Regulation	±1%		
Nominal Output Frequency	50/60Hz		
Frequency Range (Batt.mode)	50/60Hz ±0.5%		
Waveform	Pure Sine Wave		
THDv	≤3% @linear load, ≤5% @non-linear load		
Current Crest Ratio	3:1		
Transfer Time	0ms		
Overload Protection	AC Mode	100%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s	
	Battery Mode	100%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s	
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min	
Battery			
Battery Voltage	24V	48V	72V
Battery Type	12V/9AH		
Total Battery Quantity	2	4	6
Recharge Time (to 90%)	4H		
Charging Current	1A		
Efficiency			
Efficiency (Inverter Mode)	88%	89%	90%
Efficiency (Batt. Mode)	83%	87%	88%
ECO Mode	96%	96%	96%
Indicators			
Display	LCD		
Alarm	Yes		
Interface			
RS232	Yes		
HID Compliant USB Port	Yes		
EPO	Yes		
SNMP	Yes		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	438 x 88 x 310	UPS Unit: 438 x 88 x 310 Battery Pack: 438 x 88 x 310	UPS Unit: 438 x 88 x 310 Battery Pack: 438 x 88 x 310
Net Weight (kgs)	10.42	19.2	24.4
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		
Noise Level	<50dB		

ONLINE UPS Pollux1000/1500/2000/3000



Pollux2000
Pollux3000 Pollux1500 Pollux1000

KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Battery Extendable On All Models
- THDi ≤ 5%
- Easy Battery Replacement
- Outlet Programmable Management
- Auto-Detection of External Battery Module Quantity
- Equipped with a Dry Relay for Isolated, Voltage-Free Power Status Monitoring

SPECIFICATION

Model Name		Pollux1000	Pollux1500	Pollux2000	Pollux3000
Capacity		1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Input					
Nominal Voltage		208/220/230/240Vac			
Voltage Range		80-300Vac			
Nominal Frequency		50/60Hz			
Frequency Range		40-70Hz			
Power Factor		0.99			
Output					
Nominal Voltage		208/220/230/240Vac			
Voltage Regulation		±1%			
Nominal Output Frequency		50/60Hz			
Frequency Range (Batt.mode)		50/60Hz ±0.5%			
Waveform		Pure Sine Wave			
THDv		≤2% @ linear load, ≤4% @non-linear load			
Current Crest Ratio		3:1			
Transfer Time		0ms			
Overload Protection	AC Mode	100%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s			
	Battery Mode	100%-110% Warning, shut down after 1min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s			
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min			
Battery					
Battery Voltage		24V	36V	48V	72V
Battery Type		12V/9AH			
Total Battery Quantity		2	3	4	6
Recharge Time (to 90%)		4H			
Charging Current		1.5A			
Efficiency					
Efficiency (Inverter Mode)		89%	90%	90%	91%
Efficiency (Batt. Mode)		85%	86%	87%	88%
ECO Mode		97%	97%	97%	97%
Indicators					
Display		LCD			
Alarm		Yes			
Interface					
Interface		RS232, HID Compliant USB Port, EPO, SNMP			
Dry Relay		NA		Yes	
Management					
Auto Recharge		Yes			
Auto Restart		Yes			
Power Management Software		Yes			
Auto-Detection of EBM Qty		NA		Yes	
Physical					
Dimension (W x H x D)(mm)		140 x 191 x 327	151 x 225 x 394	196 x 342 x 416	
Net Weight (kgs)		9.3	13.5	19.4	25.2
Environment					
Operating Humidity		0-90% non-condensing			
Operating Temperature		0-40°C			
Noise Level		<50dB			

ONLINE UPS Pollux1000R/1500R/2000R/3000R



KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Battery Extendable On All Models
- THDi \leq 5%
- Easy Battery Replacement
- Outlet Programmable Management
- Auto-Detection of External Battery Module Quantity
- Equipped with a Dry Relay for Isolated, Voltage-Free Power Status Monitoring

SPECIFICATION

Model Name	Pollux1000R	Pollux1500R	Pollux2000R	Pollux3000R
Capacity	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Input				
Nominal Voltage	208/220/230/240Vac			
Voltage Range	80-300Vac			
Nominal Frequency	50/60Hz			
Frequency Range	40-70Hz			
Power Factor	0.99			
Output				
Nominal Voltage	208/220/230/240Vac			
Voltage Regulation	\pm 1%			
Nominal Output Frequency	50/60Hz			
Frequency Range (Batt.mode)	50/60Hz \pm 0.5%			
Waveform	Pure Sine Wave			
THDv	\leq 2% @ linear load, \leq 4% @non-linear load			
Current Crest Ratio	3:1			
Transfer Time	0ms			
Overload Protection	AC Mode	100%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s		
	Battery Mode	100%-110% Warning, shut down after 1min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s		
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min		
Battery				
Battery Voltage	24V	36V	48V	72V
Battery Type	12V/9AH			
Total Battery Quantity	2	3	4	6
Recharge Time (to 90%)	4H			
Charging Current	1.5A			
Efficiency				
Efficiency (Inverter Mode)	89%	90%	90%	91%
Efficiency (Batt. Mode)	85%	86%	87%	88%
ECO Mode	97%	97%	97%	97%
Indicators				
Display	LCD			
Alarm	Yes			
Interface				
Interface	RS232, HID Compliant USB Port, EPO, SNMP			
Dry Relay	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Auto-Detection of EBM Qty	Yes			
Physical				
Dimension (W x H x D)(mm)	438 x 88 x 430			438 x 88 x 610
Net Weight (kgs)	11.0	15.2	17.8	27.8
Environment				
Operating Humidity	0-90% non-condensing			
Operating Temperature	0-40°C			
Noise Level	<50dB			

ONLINE UPS

Vigor LB1000/1000R/2000/2000R/3000



Vigor LB1000R
Vigor LB2000R
Vigor LB3000



Vertical/Horizontal Installation
Vigor LB1000
Vigor LB2000
Vigor LB1000R
Vigor LB2000R
Vigor LB3000

KEY FEATURES

- Using LiFePO4 Battery
- Long Battery Lifecycle
- Short Battery Charge Time
- High Density Design
- Advanced Battery Management

UPS FEATURES

- Wide Input Range (100V-300V)
- True Double-Conversion
- User-Friendly Rotatable LCD Display
- ECO Mode for Energy Saving
- Generator Compatible
- DSP Technology Controls to Optimize Reliability
- Emergency Power Off (EPO) Port
- THDi ≤ 4%
- Vertical or Horizontal UPS Installation
- Rack Form Factor (for 1000R, 2000R & 3000)

SPECIFICATION

Model Name	Vigor LB1000	Vigor LB1000R	Vigor LB2000	Vigor LB2000R	Vigor LB3000
Capacity	1000VA/900W		2000VA/1800W		3000VA/2700W
Input					
Nominal Voltage	220-240Vac				
Voltage Range	100-300Vac				
Nominal Frequency	50/60Hz				
Frequency Range	40-70Hz				
Power Factor	0.99				
Output					
Nominal Voltage (Batt.mode)	208/220/230/240Vac				
Voltage Regulation	± 0.5%				
Nominal Output Frequency	50/60Hz				
Frequency Range (Batt.mode)	50/60Hz ± 0.2				
Waveform	Pure Sine Wave				
THDv	≤ 1.5% @linear load; ≤ 2% @non-linear load				
Current Crest Ratio	3 : 1				
Transfer Time	0ms				
Overload Protection	AC Mode	100%-105% Warning only; 105%-120% Warning, transfer to bypass after 3min; 120%-130% Warning, transfer to bypass after 30s; > 130% transfer to bypass after 1.5s			
	Battery Mode	100%-105% Warning only; 105%-120% Warning, transfer to bypass after 1min; 120%-130% Warning, transfer to bypass after 10s; > 130% transfer to bypass after 1.5s			
Battery					
Battery Voltage	16V		32V		48V
Battery Type	LFP166000				
Total Battery Quantity	1S		2S		3S
Battery Lifecycle	>2000				
Battery Cell Type	LFP26650P				
Recharge Time (to 90%)	1H				
Charging Current	6A		4A		4A
Autonomy Time @ Full load	3 mins				
Charging Mode	CC-CV				
Efficiency					
Efficiency (Inverter Mode)	90%		91%		94.5%
Efficiency (Batt. Mode)	90%		91%		92%
ECO Mode	96%		96%		97%
Indicators					
Display	LED/LCD				
Alarm	Yes				
Interface					
Interface	RS232+ Dry contact, HID Compliant USB Port, EPO, SNMP, USB Charge Ports (Type C/Type A)				
Management					
Management	Auto Recharge, Auto Restart, Power Management Software				
Physical					
Dimensions (W x H x D)(mm)	86.5 x 285 x 405	86.5 x 330 x 425	86.5 x 285 x 405	86.5 x 330 x 425	86.5 x 330 x 425
Net Weight (kg)	8.5	9.0	11	11.5	13
Environment					
Operating Humidity/ Temperature	20-95% non-condensing / 0-45°C				
Noise Level (dBA)	<45		<45		<50
Standard					
Certifications & Compliance	CE(EMC: EN62040-2 C1), UN38.3, IEC 62619				

ONLINE UPS

Vigor LB3000R/5000R/6000R



Vigor LB3000R



Vigor LB5000R
Vigor LB6000R

KEY FEATURES

- Using LiFePO4 Battery
- Long Battery Lifecycle
- Short Battery Charge Time
- High Density Design
- Advanced Battery Management

UPS FEATURES

- Wide Input Range (100V-300V)
- True Double-Conversion
- User-Friendly Rotatable LCD Display
- ECO Mode for Energy Saving
- Generator Compatible
- DSP Technology Controls to Optimize Reliability
- Emergency Power Off (EPO) Port
- THDi≤4%
- Battery Extendable On All Models

SPECIFICATION

Model Name	Vigor LB3000R	Vigor LB5000R	Vigor LB6000R
Capacity	3000VA/3000W	5000VA/5000W	6000VA/6000W
Input			
Nominal Voltage	220-240Vac		
Voltage Range	100-300Vac		
Nominal Frequency	50/60Hz		
Frequency Range	40-70Hz		
Power Factor	0.99		
Output			
Nominal Voltage (Batt.mode)	208/220/230/240Vac		
Voltage Regulation	± 0.5%		
Nominal Output Frequency	50/60 Hz		
Frequency Range (Batt.mode)	50/60 Hz ± 0.2		
Waveform	Pure Sine Wave		
THDv	≤1.5% @linear load; ≤2% @non-linear load		
Current Crest Ratio	3 : 1		
Transfer Time	0ms		
Overload Protection	AC Mode	100%-105% Warning only; 105%-120% Warning, transfer to bypass after 3min; 120%-130% Warning, transfer to bypass after 30s; >130% transfer to bypass after 1.5s	
	Battery Mode	100%-105% Warning only; 105%-120% Warning, transfer to bypass after 1min; 120%-130% Warning, transfer to bypass after 10s; >130% transfer to bypass after 1.5s	
Battery			
Battery Voltage	48V		
Battery Type	LFP166000		
Total Battery Quantity	12 (3S4P)		
Battery Lifecycle	>2000		
Battery Cell Type	LFP26650P		
Recharge Time (to 90%)	1H		
Charging Current	20A		
Autonomy Time @ Full load	15 mins	10 mins	8 mins
Charging Mode	CC-CV		
Efficiency			
Efficiency (Inverter Mode)	94.5%	94%	
Efficiency (Batt. Mode)	92%	92%	
ECO Mode	97%	96.5%	
Indicators			
Display	LED/LCD		
Alarm	Yes		
Interface			
Interface	RS232+ Dry contact, HID Compliant USB Port, EPO, SNMP, USB Charge Ports (Type C/Type A)		
Management			
Management	Auto Recharge, Auto Restart, Power Management Software		
Physical			
Dimensions (W x H x D)(mm)	UPS Unit: 330 x 86.5 x 425 Battery Pack: 438 x 86.5 x 560	UPS Unit: 438 x 86.5 x 560 Battery Pack: 438 x 86.5 x 560	
Net Weight (kg)	11.5	13.5	14.5
Environment			
Operating Humidity / Temperature	20-95% non-condensing / 0-45°C		
Noise Level (dBA)	<50	<55	
Standard			
EMC/Safety	CE(EMC: EN62040-2 C1)	CE(EMC: EN62040-2 C2)	

ONLINE UPS Vital1000/2000/3000



KEY FEATURES

- Output Power Factor 0.8
- Wide Input Range (110V-300V)
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Multifunctional LCD Display
- Build-In Isolation Transformer

Vital2000/3000

Vital1000

SPECIFICATION

Model Name	Vital1000	Vital2000	Vital3000
Capacity	1000VA/800W	2000VA/1600W	3000VA/2400W
Input			
Nominal Voltage	208/220/230/240Vac		
Voltage Range	110-300Vac		
Nominal Frequency	50Hz/60Hz (Auto Sensing)		
Frequency Range	40-70Hz		
Power Factor	0.99		
Output			
Nominal Voltage (Batt.mode)	208/220/230/240Vac		
Voltage Regulation	± 1%		
Nominal Output Frequency	50Hz / 60Hz		
Frequency Range (batt.)	± 0.5%		
Waveform	Pure Sine Wave		
THDv	≤ 3% @ linear load, ≤ 5% @ non-linear load		
Current Crest Ratio	3:1		
Transfer Time	0ms		
Overload Protection	Line Mode	105%-110%, warning only (No shutdown); 110%-120%, transfer to bypass after 60s; > 120%, Transfer to bypass immediately	
	Battery Mode	105%-110%, warning only (No shutdown); 110%-120%, shutdown after 10s; > 120%, shutdown immediately	
	Bypass Mod	110%-130%, warning only; > 130%, shutdown immediately	
Battery			
Battery Voltage	36V	72V	
Battery Type	12V/9Ah	12V/9Ah	
Total Battery Quantity	3	6	
Recharge Time (to 90%)	6H		
Efficiency			
Efficiency (Inverter Mode)	88%	90%	
Efficiency (Batt. Mode)	85%	88%	
ECO Mode	95%	95%	
Indicators			
Display	LCD		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
HID Compliant USB Port	Yes		
EPO	Yes		
RS232	Optional		
SNMP	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	151 x 350 x 390	196 x 538 x 412	196 x 538 x 412
Net Weight (kg)	28.5	46.5	54.8
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

ONLINE UPS Vital6000/10000



KEY FEATURES

- Output Power Factor 0.9
- Wide Input Range (110V-276V)
- Multifunction LCD Display
- Emergency Power Off (EPO) Port
- HID USB Communication
- Maintenance Bypass Switch
- Built-In Isolation Transformer

SPECIFICATION

Model Name		Vital6000	Vital10000
Capacity		6000VA/5400W	10000VA/9000W
Input			
Nominal Voltage		208/220/230/240Vac	
Voltage Range		110-276Vac	
Nominal Frequency		50/60Hz (Auto Sensing)	
Frequency Range		(45~55)/(54~66)Hz	
Power Factor		0.99	
Output			
Nominal Voltage		208/220/230/240Vac	
Voltage Regulation		± 2 %	
Nominal Output Frequency		50 / 60 Hz	
Frequency Range (Batt.mode)		0.05Hz	
Waveform		Pure Sine Wave	
THDV		≤2% @Linear Load, ≤ 5% @Non-linear Load	
Current Crest Ratio		3:1	
Transfer Time		0ms	
Overload Protection	Line Mode	105%-125%transfer to bypass after 10 minutes minimum; 125%-150%transfer to bypass after 1 minute minimum; >150% transfer to bypass after 10 second minimum; >170% transfer to bypass after 1 second minimum	
	Battery Mode	105%-125%shutdown after 2 minutes minimum; 125%-150%shutdown after 30 sec minimum; >150% shutdown after 1 second minimum	
	Bypass Mode	125%-150%, cut off output and alarm continually after 1 min; >150%, cut off output and alarm continually after 10s; >170%, cut off output and alarm continually after 1s	
Battery			
Battery Voltage		240V	
Baterly type		12V/7Ah	12V/9Ah
Total Battery Quantity		20	
Recharge Time (to 90%)		7 hours	
Charging Current		1A/8A(adjustable)	
Efficiency			
Efficiency (Inverter Mode)		88%	
Efficiency (Battery Mode)		88%	
ECO Mode		92%	
Indicators			
Display		LCD	
Alarm		Battery Mode, Low Battery, Overload, Fault, etc.	
Interface			
RS232		Yes	
HID Compliant USB Port		Yes	
EPO		Yes	
SNMP		Yes	
Maintenance Switch		Yes	
Management			
Auto Recharge		Yes	
Auto Restart		Yes	
Power Management Software		Yes	
Physical			
Dimensions (W x H x D)(mm)		260 x 954 x530	
Net Weight (kg)		70	86
Environment			
Operating Humidity		0-90% non-condensing	
Operating Temperature		0-40°C	
Noise Level		<60 dB	

ONLINE UPS (3-phase In/1-phase Out)

Glory+15K(3/1)/15KL(3/1)/ 20K(3/1)/20KL(3/1)



Glory+15K(3/1)/15KL(3/1)/20K(3/1)/20KL(3/1)

KEY FEATURES

- Output Power Factor 1.0
- Multifunctional LCD Display
- N+X Parallel Redundancy
- HID USB Communication
- Maintenance Bypass Switch
- Wide Input Range
- Battery Extendable On All Models

SPECIFICATION

Model Name	Glory+15K(3/1)	Glory+15KL(3/1)	Glory+20K(3/1)	Glory+20KL(3/1)
Capacity	15KVA/15KW		20KVA/20KW	
Input				
Nominal Voltage	208/220/230/240Vac			
Voltage Range	190-478Vac			
Nominal Frequency	50Hz/60Hz (Auto Sensing)			
Frequency Range	(45~55)/(54~66)Hz			
Power Factor	0.99			
Output				
Nominal Voltage (Batt.mode)	208/220/230/240Vac			
Voltage Regulation	± 1 %			
Nominal Output Frequency	50/60Hz			
Frequency Range (batt.)	± 0.05Hz			
Waveform	Pure Sine Wave			
THDv	≤2% @ linear load, ≤5%@non-linear load			
Current Crest Ratio	3:1			
Transfer Time	0ms			
Overload Protection	Line Mode	100%-110%, transfer to bypass after 5min; 110%-130%, transfer to bypass after 1min; 130%-150%, transfer to bypass after 10s, ≥150%, transfer to bypass after 2s		
	Battery Mode	100%-110%, transfer to bypass after 1min; 110%-130%, transfer to bypass after 10s, ≥130%, transfer to bypass after 2s		
	Bypass Mode	130%-150%, cut off output and alarm continually after 1 min; ≥150%, cut off output and alarm continually after 1s		
Battery				
Battery Voltage	240V			
Battery Type	12V/9Ah	Depending on external batteries	12V/9Ah	Depending on external batteries
Total Battery Quantity	20 x 2 Sets		20 x 2 Sets	
Recharge Time (to 90%)	7H		7H	
Charging Current	2A	4A	2A	4A
Efficiency				
Efficiency (Inverter Mode)	94%			
Efficiency (Batt. Mode)	92%			
ECO Mode	97%			
Indicators				
Display	LCD			
Alarm	Batt. Mode, low battery, overload, fault, etc.			
Interface				
RS232	Yes			
HID Compliant USB Port	Yes			
EPO	Yes			
SNMP	Yes			
Management				
Parallel Operation	Up to 4			
Auto Recharge	Yes			
Auto Restart	Yes			
Maintenance Switch	Yes			
Power Management Software	Yes			
Physical				
Dimension (WxHxD)(mm)	350 x 890 x 650			
Net Weight (kg)	172	59	172	59
Environment				
Operating Humidity	0-90% non-condensing			
Operating Temperature	0-40°C			
Noise Level	<60dB			

MPPT OFF-Grid INVERTER

Wise1200/2000



Wise1200/2000

KEY FEATURES

- Simulated Sine Wave Output
- Narrow/Wide Input Range Selection
- Build-in AC Charger
- Cold Start Function
- Overload and Short Circuit Protection

SPECIFICATION

Model Name	Wise1200	Wise2000
Capacity	1200VA/1000W	2000VA/1800W
Input		
Nominal Voltage	230Vac	
Voltage Range	170 ~280Vac (narrow) 90~280Vac (wide)	
Frequency	50/60Hz (Auto sensing)	
Output		
Nominal Voltage (Batt.mode)	230Vac (+10%/-18%)	
Frequency Range (Batt.mode)	50/60Hz	
Waveform (Batt.mode)	Modified sine wave	
Transfer Time	15ms Typical, 40ms Max.	
Efficiency	80%	
PV Charger		
Solar Charge Type	MPPT	MPPT
Max. Solar Array Open Circuit	100VDC	100VDC
MPPT Range Operating Voltage	15~80VDC	30~80VDC
Max. Solar Charging Current	70A	
Max. Solar Array Power	960W	1650W
Battery		
Battery Voltage	12Vdc	24Vdc
Charge Current	20A default, 0/10/15/20/25A	15A default, 0/5/10/15/20A
Floating Charging Voltage	13.7VDC	27.4VDC
Over Charging Voltage	16VDC	32VDC
Indicators		
Display	LCD&LED	
Physical		
Dimension (W x H x D)(mm)	309.5 x 244 x 96	
Net Weight (kg)	2.5	2.7
Environment		
Operating Humidity	5-95 % non-condensing	
Operating Temperature	0-50°C	

INVERTER

Talent650/750/1000/1500/2000/3000

KEY FEATURES

- Pure Sine Wave Output
- Narrow/Wide Input Range Selection
- Charging Current Selectable
- Built-In AC Charger
- Generator Compatible
- Cold Start Function
- USB/RS232 Multiple Communications



Talent3000 Talent750/1000/1500/2000 Talent650

SPECIFICATION

Model Name	Talent650	Talent750	Talent1000	Talent1500	Talent2000	Talent 3000
Capacity	650VA/325W	750VA/525W	1000VA/700W	1500VA/1050W	2000VA/1400W	3000VA/2100W
Input						
Nominal Voltage	220-240Vac					
Voltage Range	100-290Vac					
Frequency	50Hz/60Hz (Auto Sensing)					
Output						
Nominal Voltage (Batt.mode)	220-240Vac					
Frequency (Batt.mode)	50Hz/60Hz ±1%					
Waveform (Batt.mode)	Pure Sine Wave					
THDv	<5% @ Linear Load; <10% @No-Linear Load					
Transfer Time	4ms typical					
Overload Protection	Circuit breaker or inner firmware protection					
Battery						
Battery Voltage	12V		24V		48V	
AC Charging Current	10A	10A/20A	10A/20A		10A/20A	
Indicators						
Display	LED	LCD				
Alarm	Batt. Mode, low battery, overload, fault, etc.					
Interface						
RS232	NA	Yes				
USB port	NA	Yes				
SNMP	NA	Yes				
EPO	NA	Yes				
Management						
Energy Saving Function	Yes					
Auto Recharge	Yes					
Auto Restart	Yes					
Power Management Software	Yes					
Physical						
Dimension (W x H x D)(mm)	146 x 205 x 113	140 x 191 x 327				196 x 342 x 416
Net Weight (kg)	4	8.2	8.3	10.2	12.5	22.1
Environment						
Operating Humidity	0-90% non-condensing					
Operating Temperature	0-40°C					

STANDBY UPS Esprit350A/550A/750A



Esprit350A/550A/750A

KEY FEATURES

- Support APFC Equipment
- Auto-Restart/Auto-Charge
- Intelligent LED Indication
- Surge Outlet
- Cold Start Function
- Optional HID USB Communication Port and RJ-11/RJ-45 Protection
- UL Certified

SPECIFICATION

Model Name	Esprit350A	Esprit550A	Esprit750A
Capacity	350VA/210W	550VA/330W	750VA/450W
Input			
Nominal Voltage	110-120Vac		
Voltage Range	96-138Vac		
Frequency	50/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	110-120Vac		
Frequency (Batt.mode)	50/60Hz±1%		
Waveform (Batt.mode)	Simulated Sine-wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/4.5Ah	12V/6Ah	
Total Battery Quantity	1		
Recharge Time(to 90%)	8 hours		
Indicators			
Display	LED		
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.		
Interface			
HID Compliant USB Port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimensions (W x H x D)(mm)	125 x 84 x 305		
Net Weight (kg)	2.71	3.25	
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS

Ultima600A/750A/1250A

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Compact Size
- Auto-Restart/Auto-Charge
- Cold Start Function
- Off-Mode Charging
- USB Port & RJ-45/RJ-11 Protection



Ultima1250A

Ultima600A/750A

SPECIFICATION

Model Name	Ultima600A	Ultima750A	Ultima1250A
Capacity	600VA/300W	750VA/390W	1250VA/625W
Input			
Nominal Voltage	110-120Vac		
Voltage Range	82-148Vac		
Frequency	50/60Hz (Auto Sensing)		
Output			
Nominal Voltage (Batt.mode)	110-120Vac		
Frequency (Batt.mode)	50/60Hz±1%		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms Typical		
Overload Protection	Circuit Breaker or Inner Firmware Protection		
Battery			
Battery Voltage	12V		24V
Battery Type	12V/4.5Ah	12V/6Ah	12V/5Ah
Total Battery Quantity	1		2
Recharge Time (to 90%)	8 hours		
Indicators			
Display	LED		
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.		
Interface			
USB port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimensions (W x H x D)(mm)	84 x 159 x 252		100 x 189 x 325
Net Weight (kg)	3.9	4.1	6
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		
Noise Level	<40dB		

LINE-INTERACTIVE UPS

City500A/750A/1000A/1200A/1500A/ 2000A



City1200A/1500A/2000A

City500A/750A/1000A

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Auto-Restart/Auto-Charge
- 4 Surge Outlets, 4 Battery Backup Outlets for City1200A/1500A/2000A Models
- Optional LED/LCD Display
- Cold Start Function
- Optional USB Port & RJ-11/RJ-45 Protection
- Optional Coaxial Function

SPECIFICATION

Model Name	City500A	City750A	City1000A	City1200A	City1500A	City2000A
Capacity	500VA/250W	750VA/375W	1000VA/500W	1200VA/720W	1500VA/900W	2000VA/1200W
Input						
Nominal Voltage	110-120Vac					
Voltage Range	82-148Vac					
Frequency	50/60Hz (Auto Sensing)					
Output						
Nominal Voltage (Batt.mode)	110-120Vac					
Frequency (Batt.mode)	50/60Hz ±1%					
Waveform (Batt.mode)	Simulated Sine Wave					
Transfer Time	4ms Typical					
Overload Protection	Circuit Breaker or Inner Firmware Protection					
Battery						
Battery Voltage	12V			24V		
Battery Type	12V/7Ah	12V/9Ah	12V/7Ah	12V/9Ah		
Total Battery Quantity	1			2		
Recharge Time (to 90%)	8 hours					
Indicators						
Display	LED/LCD Optional					
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.					
Interface						
RJ45/RJ11	Optional					
USB Port	Optional					
Coaxial Protection	NA			Optional		
Management						
Auto Recharge	Yes					
Auto Restart	Yes					
Power Management Software	Yes					
Physical						
Dimensions (W x H x D)(mm)	96 x 138 x 286			148 x 178 x 298		
Net Weight (kg)	3.57	4.07	4.27	8.6	10.7	11.4
Environment						
Operating Humidity	0-90% non-condensing					
Operating Temperature	0-40°C					

LINE-INTERACTIVE UPS

CityUL500A/750A/1000A/1500A/2000A

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Auto-Restart/Auto-Charge
- 4 Surge Outlets, 4 Battery Backup Outlets for CityUL1000A/1500A/2000A Models
- Optional LED/LCD Display
- Cold Start Function
- HID USB Communication Port & RJ-11/RJ-45 Protection
- Optional Coaxial Function
- UL Certified



CityUL1000A/1500A/2000A

CityUL500A/750A

SPECIFICATION

Model Name	CityUL500A	CityUL750A	CityUL1000A	CityUL1500A	CityUL2000A
Capacity	500VA/300W	750VA/450W	1000VA/600W	1500VA/900W	2000VA/1200W
Input					
Nominal Voltage	110-120Vac				
Voltage Range	82-148Vac				
Frequency	50/60Hz (Auto Sensing)				
Output					
Nominal Voltage (Batt.mode)	110-120Vac				
Frequency (Batt.mode)	50/60Hz ±1%				
waveform (Batt.mode)	Simulated Sine wave				
Transfer Time	4ms typical				
Overload Protection	Circuit breaker or inner firmware protection				
Battery					
Battery Voltage	12V		24V		
Battery Type	12V7Ah	12V9Ah	12V7Ah	12V9Ah	12V9Ah
Total Battery Quantity	1		2		
Charging Current	1A				
Recharge Time (to 90%)	4hours				
Indicators					
Display	LED/LCD Optional				
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.				
Interface					
RJ45/RJ11	Yes				
HID Compliant USB Port	Yes				
Coaxial protection	NA		Optional		
Management					
Auto Recharge	Yes				
Auto Restart	Yes				
Power Management Software	Yes				
Physical					
Dimension (WxHxD)(mm)	96 x 138 x 286		148 x 178 x 298		
Net Weight (kg)	4.35	5.08	8.8	10.75	11.36
Environment					
Operating Humidity	0-90% non-condensing				
Operating Temperature	0-40°C				

LINE-INTERACTIVE UPS Metro500A/750A/1000A



Metro500A/750A/1000A

KEY FEATURES

- Automatic Voltage Regulation (AVR)
- Auto-Restart/Auto-Charge
- Optional LED/LCD Display
- Cold Start Function
- Optional USB Port and RJ-11/RJ-45 Protection
- 8 Outlets for Whole Series
- Site Fault Alarm

SPECIFICATION

Model Name	Metro500A	Metro750A	Metro1000A
Capacity	500VA/250W	750VA/375W	1000VA/500W
Input			
Nominal Voltage	110-120Vac		
Voltage Range	80-150Vac		
Frequency	50/60Hz (Auto-sensing)		
Output			
Nominal Voltage (Batt.mode)	110-120Vac		
Frequency (Batt.mode)	50/60Hz +/-1HZ		
Waveform (Batt.mode)	Simulated Sine Wave		
Transfer Time	4ms typical		
Overload Protection	Circuit breaker or inner firmware protection		
Battery			
Battery Voltage	12V		
Battery Type	12V/4.5Ah	12V/7Ah	12V/9Ah
Total Battery Quantity	1		
Recharge Time (to 90%)	8H		
Indicators			
Display	LED/LCD Optional		
Alarm	Batt. Mode, low battery, overload, fault, etc.		
Interface			
USB port	Optional		
RJ45/RJ11	Optional		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimension (W x H x D)(mm)	96 x 138 x 286		
Net Weight (kg)	3.41	4.33	4.51
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

LINE-INTERACTIVE UPS Altec700AR/1000AR/1500AR/2000AR



Altec700AR/1000AR/1500AR/2000AR

KEY FEATURES

- Pure Sine Wave Output
- Automatic Voltage Regulation (AVR)
- User-Friendly LCD Display
- Cold Start Function
- Generator Compatible
- Off-Mode Charging
- HID USB Communication
- UL Certified
- Easy Battery Replacement

SPECIFICATION

Model Name	Altec700AR	Altec1000AR	Altec1500AR	Altec2000AR
Capacity	700VA/420W	1000VA/600W	1500VA/900W	2000VA/1200W
Input				
Nominal Voltage	110-120Vac			
Voltage Range	82-148Vac			
Frequency	50/60Hz (Auto Sensing)			
Output				
Nominal Voltage (Batt.mode)	110-120Vac			
Frequency (Batt.mode)	50/60Hz ±1%			
Waveform (Batt.mode)	Pure Sine Wave			
Transfer Time	4ms typical			
Overload Protection	Circuit breaker or inner firmware protection			
Battery				
Battery Voltage	12Vdc		24Vdc	
Battery Type	12V/9Ah	12V/9Ah	12V/9Ah	12V/9Ah
Total Battery Quantity	1		2	
Recharge Time (to 90%)	4 hours			
Charging Current	1A			
Indicators				
Display	LCD			
Alarm	Battery mode, low battery, overload, fault, etc.			
Interface				
RS232	Optional			
HID Compliant USB Port	Yes			
EPO	Optional			
SNMP	Optional			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimensions (W x H x D)(mm)	438 x 88 x 430			
Net Weight (kg)	10.3	12.8	16.3	16.7
Environment				
Operating Humidity	0-90% non-condensing			
Noise Level	Less than 45 dB			

LINE-INTERACTIVE UPS

Altec LB700AR/1000AR/1500AR/2000AR



Altec LB700AR/1000AR/1500AR/2000AR

KEY FEATURES

- Using LiFePO4 Battery
- Long Battery Lifecycle
- Short Battery Charge Time
- High Density Design

UPS FEATURES

- Pure Sine Wave Output
- Output Power Factor 0.6
- User-Friendly Rotatable (Patent) LCD Display
- Cold Start Function & Charging Current Selectable
- Generator Compatible
- Easy Battery Replacement
- Automatic Voltage Regulation (AVR)

SPECIFICATION

Model Name	Altec LB700AR	Altec LB1000AR	Altec LB1500AR	Altec LB2000AR
Capacity	700VA/420W	1000VA/600W	1500VA/900W	2000VA/1200W
Input				
Nominal Voltage	110-120Vac			
Voltage Range	82-148Vac			
Frequency	50/60Hz (Auto Sensing)			
Output				
Nominal Voltage (Batt.mode)	110-120Vac			
Frequency (Batt.mode)	50/60Hz ±1%			
Waveform (Batt.mode)	Pure Sine Wave			
Transfer Time	4ms typical			
Overload Protection	Circuit breaker or inner firmware protection			
Battery				
Battery Voltage	12Vdc	24Vdc		
Battery Type	12V/6Ah			
Total Battery Quantity	1/2/3/4	2/4	2/4	4
Battery Lifecycle	>2000			
Battery Cell Type	LFP26650P			
Recharge Time (to 90%)	1H			
Charging Current	6A			
Indicators				
Display	LCD			
Alarm	Battery mode, low battery, overload, fault, etc.			
Interface				
RS232	Yes			
HID Compliant USB Port	Yes			
EPO	Yes			
SNMP	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimensions (W x H x D)(mm)	438 x 88 x 430			
Net Weight (kg)	11/12/13/14	13.3/15.3	14.6/16.7	16.7
Environment				
Operating Humidity	0-90% non-condensing			
Noise Level	Less than 45 dB			

LINE-INTERACTIVE UPS

Astro700A/1000A/1500A/2000A



Astro2000A

Astro700A/1000A/1500A

KEY FEATURES

- Bi-Voltage Input
- Pure Sine Wave Output
- Automatic Voltage Regulation (AVR)
- User-Friendly LCD Display
- Cold Start Function
- Generator Compatible
- Off-Mode Charging
- HID USB Communication

SPECIFICATION

Model Name	Astro700A	Astro1000A	Astro1500A	Astro2000A
Capacity	700VA/490W	1000VA/700W	1500VA/900W	2000VA/1200W
Input				
Nominal Voltage	120V / 220V			
Voltage Range	90V-148V/ 166V - 276V			
Frequency	50/60Hz ± 3Hz			
Output				
Nominal Voltage (Batt.mode)	110-120Vac			
Frequency (Batt.mode)	50/60Hz ± 1%			
Waveform (Batt.mode)	Pure Sine Wave			
Transfer Time	4ms typical			
Overload Protection	Overload, short circuit, over discharge and over charge			
Battery				
Battery Voltage	24Vdc			48Vdc
Battery Type	12V/7AH	12V/7AH	12V/9Ah	12V/7Ah
Total Battery Quantity	2			4
Recharge Time (to 90%)	4 hours			
Charging Current	1A			
Indicators				
Display	LCD			
Alarm	Battery mode, Low battery, Over load, Fault			
Interface				
USB	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimensions (W x H x D)(mm)	140*191*327			151*225*394
Net Weight (kg)	10.08	11.57	13.56	20.72
Environment				
Operating Humidity	0-90% non-condensing			
Noise Level	Less than 45dB			

ONLINE UPS

Vast1000A/2000A/3000A



Vast3000A

Vast2000A

Vast1000A

KEY FEATURES

- Output Power Factor 0.9
- Wide Input Range (55V-150V)
- ECO Mode for Energy Saving
- Generator Compatible
- Emergency Power Off (EPO) Port
- HID USB Communication
- Optional Battery Extendable
- THDi≤5%

SPECIFICATION

Model Name	Vast1000A	Vast2000A	Vast3000A
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Input			
Nominal Voltage	100/110/115/120/127Vac		
Voltage Range	55-150Vac		
Nominal Frequency	50/60Hz (Auto Sensing)		
Frequency Range	40-70Hz		
Power Factor	0.99		
Output			
Nominal Voltage	100/110/115/120/127Vac		
Voltage Regulation	± 1%		
Nominal Output Frequency	50/60Hz		
Frequency Range (Batt.mode)	± 0.5%		
Waveform	Pure Sine Wave		
THDV	≤3% @linear load, ≤5% @non-linear load		
Current Crest Ratio	3:1		
Transfer Time	0ms		
Overload Protection	AC Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s	
	Battery Mode	105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s	
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min	
Battery			
Battery Voltage	24V	48V	72V
Battery Type	12V/9Ah		
Total Battery Quantity	2	4	6
Recharge Time (to 90%)	4H		
Charging Current	1A		
Efficiency			
Efficiency (Inverter Mode)	88%	89%	90%
Efficiency (Battery Mode)	93%	87%	88%
ECO Mode	96%	96%	96%
Indicators			
Display	LCD		
Alarm	Battery mode, low battery, overload, fault, etc.		
Interface			
RS232	Yes		
HID Compliant USB Port	Yes		
EPO	Yes		
SNMP	Yes		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Yes		
Physical			
Dimensions (W x H x D)(mm)	140 x 191 x 327	151 x 225 x 394	196 x 342 x 416
Net Weight (kg)	10.1	17.14	21.3
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		
Noise Level	<50dB		

ONLINE UPS Vast1000AR/2000AR/3000AR

KEY FEATURES

- Output Power Factor 0.9
- Wide Input Range (55V-150V)
- ECO Mode for Energy Saving
- Generator Compatible
- Emergency Power Off (EPO) Port
- HID USB Communication
- Optional Battery Extendable
- THDi≤5%
- Optional Outlet Programmable Management



SPECIFICATION

Model Name		Vast1000AR	Vast2000AR	Vast3000AR
Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
Input				
Nominal Voltage		100/110/115/120/127Vac		
Voltage Range		55-150Vac		
Nominal Frequency		50/60 Hz (Auto Sensing)		
Frequency Range		40-70Hz		
Power Factor		0.99		
Output				
Nominal Voltage		100/110/115/120/127Vac		
Voltage Regulation		±1%		
Nominal Output Frequency		50/60Hz		
Frequency Range (Batt.mode)		±0.5%		
Waveform		Pure Sine Wave		
THDv		≤3% @linear load, ≤5% @non-linear load		
Current Crest Ratio		3:1		
Transfer Time		0ms		
Overload Protection	AC Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; >130% transfer to bypass after 3s		
	Battery Mode	105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; >130% shut down after 3s		
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; >130% shut down after 1min		
Battery				
Battery Voltage		24V	48V	72V
Battery Type		12V/9AH		
Total Battery Quantity		2	4	6
Recharge Time (to 90%)		4H		
Charging Current		1A		
Efficiency				
Efficiency (Inverter Mode)		88%	89%	90%
Efficiency (Batt. Mode)		83%	87%	88%
ECO Mode		96%	96%	96%
Indicators				
Display		LCD		
Alarm		Battery mode, low battery, overload, fault, etc.		
Interface				
RS232		Yes		
HID Compliant USB Port		Yes		
EPO		Yes		
SNMP		Yes		
Management				
Auto Recharge		Yes		
Auto Restart		Yes		
Power Management Software		Yes		
Physical				
Dimension (W x H x D)(mm)		438 x 88 x 430	438 x 88 x 430	438 x 88 x 610
Net Weight (kgs)		10.42	17.15	27.6
Environment				
Operating Humidity		0-90% non-condensing		
Operating Temperature		0-40°C		

ONLINE UPS

Vast6000A/10000A



KEY FEATURES

- Output Power Factor 0.9
- Wide Input Range (110V-300V)
- Multifunction LCD Display
- Emergency Power Off (EPO) Port
- HID USB Communication
- Maintenance Bypass Switch
- Built-In Isolation Transformer

SPECIFICATION

Model Name	Vast6000A		Vast10000A	
Capacity	6000VA/5400W		10000VA/9000W	
Input				
Nominal Voltage	208/220/230/240Vac			
Voltage Range	110-300Vac			
Nominal Frequency	50/60Hz (Auto Sensing)			
Frequency Range	(45~55)/(54~66)Hz			
Power Factor	0.99			
Output				
Nominal Voltage	110/115/120/127/208Vac			
Voltage Regulation	±2%			
Nominal Output Frequency	50/60 Hz			
Frequency Range (Batt.mode)	0.05Hz			
Waveform	Pure Sine Wave			
THDV	≤3% @linear load, ≤5% @non-linear load			
Current Crest Ratio	3:1			
Transfer Time	0ms			
Overload Protection	Line Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 5min; >130% transfer to bypass after 10s		
	Battery Mode	100%-110% Warning, shut down after 3min; 110%-130% Warning, shut down after 30s; >130% shut down after 10s		
	Bypass Mode	110%-130% Warning, shut down after 5min; >130% shut down after 1min		
Battery				
Model Name	6000A-16B	6000A-20B	10000A-16B	10000A-20B
Battery Voltage	192V	240V	192V	240V
Battery type	12V/7Ah		12V/9Ah	
Total Battery Quantity	16	20	16	20
Recharge Time (to 90%)	7 hours			
Charging Current	1A/2A/4A			
Efficiency				
Efficiency (Inverter Mode)	88%			
Efficiency (Battery Mode)	88%			
ECO Mode	90%			
Indicators				
Display	LCD			
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.			
Interface				
RS232	Yes			
HID Compliant USB Port	Yes			
EPO	Yes			
SNMP	Yes			
Maintenance Switch	Yes			
Management				
Auto Recharge	Yes			
Auto Restart	Yes			
Power Management Software	Yes			
Physical				
Dimensions (W x H x D)(mm)	260 x 947 x 565			
Net Weight (kg)	107.8	116	129.3	139.5
Environment				
Operating Humidity	0-90% non-condensing			
Operating Temperature	0-40°C			
Noise Level	<60 dB			

ONLINE UPS Glory15KAL/20KAL



Glory15KAL/20KAL

KEY FEATURES

- Output Power Factor 0.9
- Wide Input Range (110-276V)
- Multifunction LCD Display
- Emergency Power Off (EPO) Port
- HID USB /RS-232 Multiple Communications
- Maintenance Bypass Switch
- Built-In Isolation Transformer

SPECIFICATION

Model Name	Glory15KAL	Glory20KAL
Capacity	15 KVA/13.5KW	20 KVA/18KW
Input		
Nominal Voltage	208/220/230/240Vac	
Voltage Range	110 - 276Vac	
Nominal Frequency	50Hz/60Hz (Auto Sensing)	
Frequency Range	(45~55)/(54~66)Hz	
Power Factor	0.99	
Output		
Nominal Voltage	110/115/120/127/208Vac	
Voltage Regulation	± 2 %	
Nominal Output Frequency	50 / 60 Hz	
Frequency Range (Batt.mode)	±0.05Hz	
Waveform	Pure Sine Wave	
THDv	≤ 4% @Linear Load, ≤ 6% @Non-linear Load	
Current Crest Ratio	3:1	
Transfer Time	0ms	
Overload Protection	Line Mode	100%-110%transfer to bypass and alarm after 5 minutes minimum; 110%-130%transfer to bypass and alarm after 1 minute minimum; 130%-150%transfer to bypass and alarm after 10 seconds minimum ; ≥150%transfer to bypass and alarm after 2 seconds minimum
	Battery Mode	100%-110%transfer to bypass and alarm after 1 minutes minimum ; 110%-130%transfer to bypass and alarm after 10 seconds minimum; ≥130%transfer to bypass and alarm after 2 seconds minimum
	Bypass Mode	130%-150%, cut off output and alarm continually after 1 min; ≥150%, cut off output and alarm continually after 1s
Battery		
Battery Voltage	240V	
Battery type	Depending on external batteries	
Total Battery Quantity	Depending on external batteries	
Recharge Time (to 90%)	Depending on external batteries	
Charging Current	4/8A(adjustable)	
Efficiency		
Efficiency (Inverter Mode)	90%	
Efficiency (Battery Mode)	89%	
ECO Mode	93%	
Indicators		
Display	LCD	
Alarm	Battery Mode, Low Battery, Overload, Fault, etc.	
Interface		
RS232	Yes	
HID Compliant USB Port	Yes	
EPO	Yes	
SNMP	Yes	
Maintenance Switch	Yes	
Management		
Auto Recharge	Yes	
Auto Restart	Yes	
Power Management Software	Yes	
Physical		
Dimensions (W x H x D)(mm)	348 x 885.7 x 711	
Net Weight (kg)	80	95
Environment		
Operating Humidity	0-90% non-condensing	
Operating Temperature	0-40°C	
Noise Level	<60 dB	



Asta LB

DC UPS

Asta LB DC UPS

KEY FEATURES

- Supports 12V Networking Devices, Including Routers and IP Cameras
- Clear and Easy-to-Read LED Indicators Display Battery Capacity Status
- Compact Design for Easy Installation
- Provides DC Output Options of 9V/12V, 15V/24V, and a 5V USB-A Output
- Using LiFePO4 Battery
- Long Battery Lifecycle and Runtime

SPECIFICATION

Model Name	Asta LB
Input	
Input Voltage	100-240Vac
Input Frequency	50/60Hz (Auto Sensing)
Output	
Output Voltage	DC interface 9Vdc/12Vdc, DC interface 15Vdc/24Vdc, USB-A 5Vdc
Max Output Power	36W
Battery	
Battery Type	Lithium Iron Battery (LiFePO4)
Battery Capacity	10000mAh
Physical	
Dimension (W x H x D)(mm)	173 x 33 x 113
Net Weight (kg)	0.45
Environment	
Operating Humidity	0-90% non-condensing
Operating Temperature	0-45°C



AVR

Lunex1000A/1500A/2000A

KEY FEATURES

- Output: 8 Outlets (4 Surge-Protected, 4 AVR-Regulated)
- Wide Input Voltage Range: 82-148V
- Output Voltage: 120V
- Frequency: 50/60 Hz
- Visual Indicator: Three LEDs
- Protection Features: Under-Voltage, Over-Voltage, Over-Temperature, and Over-Current Protection
- Stable Output Voltage: Ensures Consistent Power Delivery
- Optional USB Charge Ports (Type C/Type A)

SPECIFICATION

Model Name	Lunex1000A	Lunex1500A	Lunex2000A
Capacity	1000VA/500W	1500VA/750W	2000VA/1000W
Input			
Nominal Voltage	120Vac +/- 10%		
Voltage Range	82-148Vac		
Frequency	50/60Hz +/- 5Hz		
Max Input Current	6A	10A	13A
Output			
Voltage	120Vac		
Frequency	50/60Hz		
Type of Output	4 NEMA 5-15R surge-protected, 4 NEMA 5-15R AVR-regulated		
Max Output Current (Bypass)	6A	10A	13A
Regulation steps	1 boost / 1 buck		
Protection			
Overload	Breaker		
Short	Breaker		
Overheat	Breaker		
Surge Suppression	245 Joules		
EMI/RFI Filtration	Yes		
Indicators			
Display	3 LEDs (Normal, AVR, Fault)		
Interface			
USB Charger	USB-A x 1 & USB-C x 1 (Optional)		
Physical			
Dimension (W x H x D)(mm)	94 x 75 x 146	94 x 110 x 146	
Net Weight (kg)	0.95	2	3
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		
Noise Level	<40 dB @ 1.5 meter		



POWER DISTRIBUTION UNIT PDU16M

KEY FEATURES

- Manual Bypass Switch
- Maximum Rating up to 3KVA
- Compatible With Most IT Devices And UPS
- Quick Transfer Time for Seamless and Safe Maintenance
- Flexible Configuration for Horizontal and Wall-Mount Placement

SPECIFICATION

Model Name	PDU16M SHVIEC71U
Voltage Range	220V-240V
Capacity	16A
Input	
Input Connector	IEC 320 C20
UPS input	IEC 320 C19
UPS output	IEC 320 C20
Output	
Master Outlet (IEC)	IEC C13(6)+IEC C19(1)
Maintenance Switch	
Switch	16A
Physical	
Dimension (W x H x D)(mm)	433 x 51.5 x 54.2
Net Weight (kg)	1.27
Environment	
Operating Humidity	0-90% non-condensing
Operating Temperature	0-40°C



MB-16A



MB-32A/60A

Maintenance bypass MB-16A/32A/60A

KEY FEATURES

- Allows loads to function during UPS maintenance or replacement
- Easy operation with a switch
- Manual switching between UPS and mains power
- Simple installation and setup
- Compatible with single-phase devices ranging from 0.7 to 10 kVA
- Option to switch from UPS to bypass mode

SPECIFICATION

Model Name	MB-16A	MB-32A	MB-60A
Voltage Range	220V-240V		
Capacity	16A	32A	60A
Input			
Input Connector	IEC 320 C20	Terminal block	
UPS input	IEC 320 C19	Terminal block	
UPS output	IEC 320 C20	Terminal block	
Output			
Master Outlet	UN 10A (4)	IEC 320 C19 (4)+IEC 320 C13 (4)	
Maintenance Switch			
Switch	16A	32A	60A
Physical			
Dimension (W x H x D)(mm)	155 x 125 x 56.2	288 x 88 x 141	
Net Weight (kg)	1.5	2.5	2.8
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		

EBM for Online Tower 1K-3K EBM24V/36V/48V/72V/96V

KEY FEATURES

- Extends runtime of compatible UPS
- Matching Outlook and Same Size with UPS

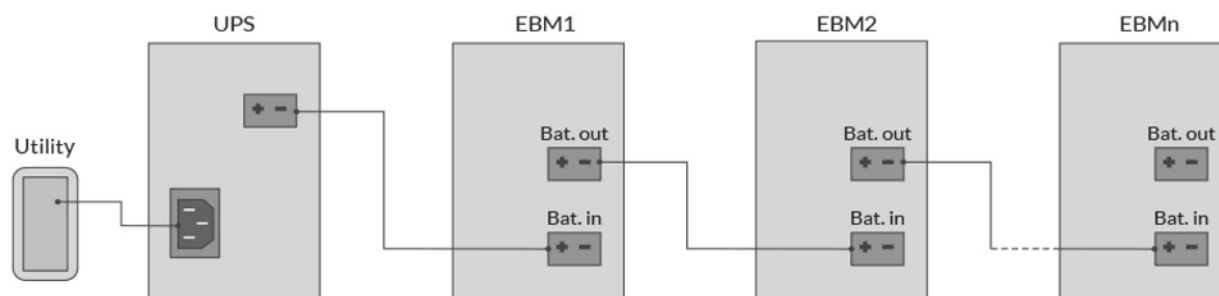


EBM96V2G9C EBM72V2G9C EBM36V2G9C EBM24V2G9C
EBM48V2G9C

SPECIFICATION

Model Name	EBM24V2G9C	EBM36V2G9C	EBM48V2G9C	EBM72V2G9C	EBM96V2G9C
General					
Voltage	24V	36V	48V	72V	96V
Amperage	40A				
Battery					
Battery Type	12V/9AH				
Total Battery Quantity	4	6	8	12	16
User Replaceable	Yes				
Expansion Ready	Yes - Power plugs for Module				
Physical					
Dimensions(W x H x D)(mm)	140 x 191 x 327	151 x 225 x 394	151 x 225 x 394	196 x 343 x 412	196 x 377 x 412
Weight (kg)	11.87	19.28	24.5	35.7	45.5
Environmental					
Operating Temperature	0 °C to 40 °C				
Operating Humidity	0% - 90% non-condensing				
Compatible models	Arc Pro+1000-2B Arc Pro+1000L Vast1000-2B Pollux1000-2B	Arc Pro+1000-3B Arc Pro+1000L Arc Pro+1500 Arc Pro+1500L Vast3000-3B Pollux1500-3B	Arc Pro+2000-4B Arc Pro+2000L Vast2000-4B Pollux2000-4B	Arc Pro+2000-6B Arc Pro+2000L Arc Pro+3000-6B Arc Pro+3000L Vast3000-6B Pollux3000-6B	Arc Pro+3000-8B Arc Pro+3000L

WIRING SCHEME



EBM for Online Tower 6K-10K EBM192V/216V/240V

KEY FEATURES

- Extends runtime of compatible UPS
- Matching Outlook and Same Size with UPS

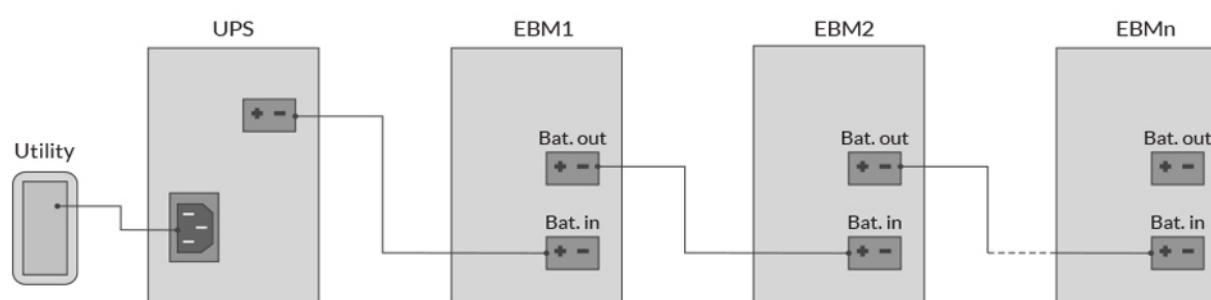


EBM216V2G7C EBM192V1G7C
 EBM216V2G9C EBM192V1G9C
 EBM240V2G7C
 EBM240V2G9C

SPECIFICATION

Model Name	EBM192V1G7C	EBM192V1G9C	EBM216V2G7C	EBM216V2G9C	EBM240V2G7C	EBM240V2G9C
General						
Voltage	192V		216V		240V	
Amperage	50A		45A		45A	
Battery						
Battery Type	12V/7AH	12V/9AH	12V/7AH	12V/9AH	12V/7AH	12V/9AH
Total Battery Quantity	16		36		40	
User Replaceable	NA					
Expansion Ready	Yes - Power plugs for Module					
Physical						
Dimensions (W x H x D) (mm)	196 x 377 x 412			260 x 718 x 550		
Weight (kg)	42	50	96	117	105	127
Environmental						
Operating Temperature	0°C to 40°C					
Operating Humidity	0% - 90% non-condensing					
Compatible models	Arc Pro+6000-16B Arc Pro+6000L Vast6000-16B	Arc Pro+10000-16B Arc Pro+10000L Vast10000-16B	Arc Pro+6000-18B Arc Pro+6000L	Arc Pro+10000-18B Arc Pro+10000L	Glory+6000 Glory+6000L Arc Pro+6000-20B Arc Pro+6000L Vast6000-20B	Glory+10000 Glory+10000L Arc Pro+10000-20B Arc Pro+10000L Vast10000-20B

WIRING SCHEME



EBM for Online Rack/Tower 1K-3K EBM24V/36V/48V/72V



EBM72V2G9CR2U

EBM24V2G9CR2U
EBM36V2G9CR2U
EBM48V2G9CR2U

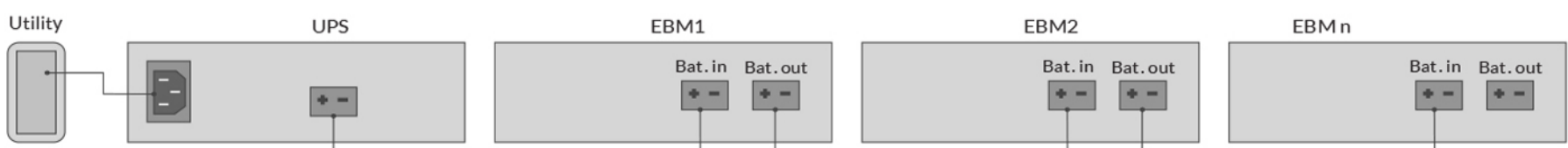
KEY FEATURES

- Extends runtime of compatible UPS
- Matching Outlook and Same Size with UPS
- Support Horizontal Rack and Vertical Tower Installation

SPECIFICATION

Model Name	EBM24V2G9CR2U	EBM36V2G9CR2U	EBM48V2G9CR2U	EBM72V2G9CR2U
General				
Voltage	24V	36V	48V	72V
Amperage	40A			
Battery				
Battery Type	12V/9AH			
Total Battery Quantity	4	6	8	12
User Replaceable	Yes			
Expansion Ready	Yes - Power plugs for Module			
Physical				
Dimensions(W x H x D)(mm)	438 x 88 x 430			438 x 88 x 610
Weight (kg)	15.1	19.91	24.6	36.02
Environmental				
Operating Temperature	0 °C to 40 °C			
Operating Humidity	0% - 90% non-condensing			
Compatible models	Arc Pro+1000R-2B Arc Pro+1000RL Vast1000R-2B Aviator1000R-2B	Arc Pro+1000R-3B Arc Pro+1000RL Arc Pro+1500R-3B Arc Pro+1500RL Vast1500R-3B	Arc Pro+2000R-4B Arc Pro+2000RL Vast2000R-4B Aviator2000R-4B	Arc Pro+2000R-6B Arc Pro+2000RL Arc Pro+3000R-6B Arc Pro+3000RL Vast3000R-6B Aviator3000R-6B

WIRING SCHEME



EBM for Online Rack/Tower 6K-10K EBM192V/240V

EBM192V1G7CR2U
EBM192V1G9CR2U



EBM192V1G7CR3U
EBM192V1G9CR3U
EBM240V1G7CR3U
EBM240V1G9CR3U

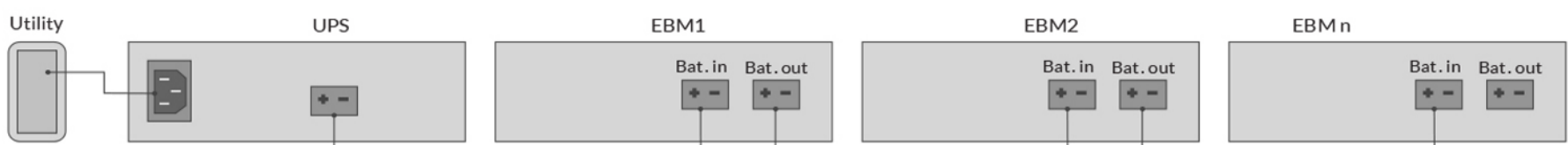
KEY FEATURES

- Extends runtime of compatible UPS
- Matching Outlook and Same Size with UPS
- Support Horizontal Rack and Vertical Tower Installation

SPECIFICATION

Model Name	EBM192V1G7CR2U	EBM192V1G7CR3U	EBM192V1G9CR2U	EBM192V1G9CR3U	EBM240V1G7CR3U	EBM240V1G9CR3U
General						
Voltage	192V				240V	
Amperage	50A					
Battery						
Battery Type	12V/7AH		12V/9AH		12V/7AH	12V/9AH
Total Battery Quantity	16				20	
User Replaceable	NA					
Expansion Ready	Yes - Power plugs for Module					
Physical						
Dimensions (WxHxD)(mm)	438 x 88 x 665	438 x 131 x 680	438 x 88 x 665	438 x 131 x 680		
Weight (kg)	40	41	53	49	55	66
Environmental						
Operating Temperature	0 °C to 40 °C					
Operating Humidity	0% - 90% non-condensing					
Compatible models	Vast6000R-16B Vast6000RL	Arc Pro+6000R-16B Arc Pro+6000RL	Vast10000R-16B Vast10000RL	Arc Pro+10000R-16B Arc Pro+10000RL	Arc Pro+6000R-20B Arc Pro+6000RL	Arc Pro+10000R-20B Arc Pro+10000RL

WIRING SCHEME



EBM for Vigor LB Rack/Tower 3K-6K

EBM48V

KEY FEATURES

- Extends runtime of compatible UPS
- Matching Outlook and Same Size with UPS
- Support Horizontal Rack and Vertical Tower Installation
- Using LiFePO4 Battery



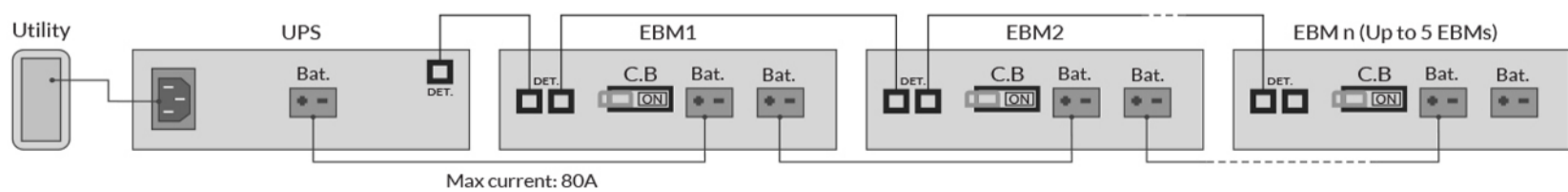
EBM48V4G5CR2UVL

SPECIFICATION

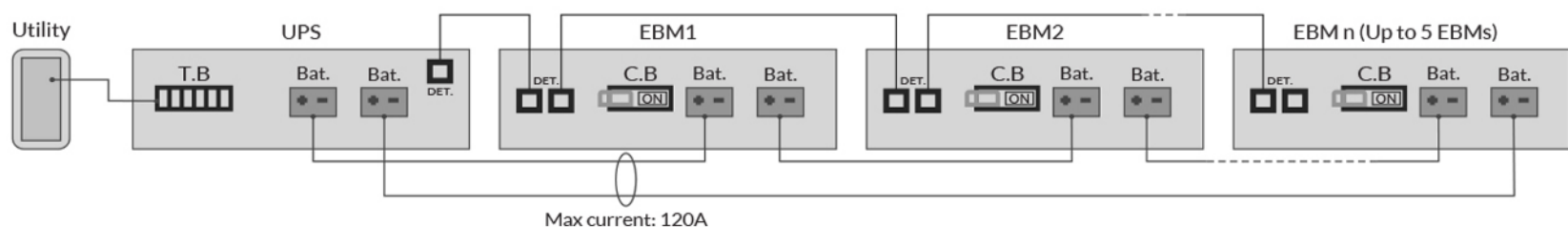
Model Name	EBM48V4G5CR2UVL
General	
Voltage	48V
Nominal Energy	960 Wh
Battery	
Battery Type	LFP166000
Total Battery Quantity	12 (3S4P)
User Replaceable	NA
Expansion Ready	Yes - Power plugs for Module
Physical	
Dimensions (W x H x D)(mm)	438 x 86.5 x 560
Weight (kg)	23.6
Environmental	
Operating Temperature	0°C to 45°C
Operating Humidity	20-95% non-condensing
Compatible models	Vigor LB3000R Vigor LB5000R Vigor LB6000R
Standard	
Certifications & Compliance	CE, UN38.3, IEC 62619

WIRING SCHEME

Vigor LB3000R



Vigor LB5000R & 6000R



POWER MANAGEMENT CARD PMCARD-L



PMCARD-L

KEY FEATURES

- Remotely Schedule Shutdown/ Start-up/ Reboot UPS
- Plug-n-play Installation
- User Upgradeable Firmware

SPECIFICATION

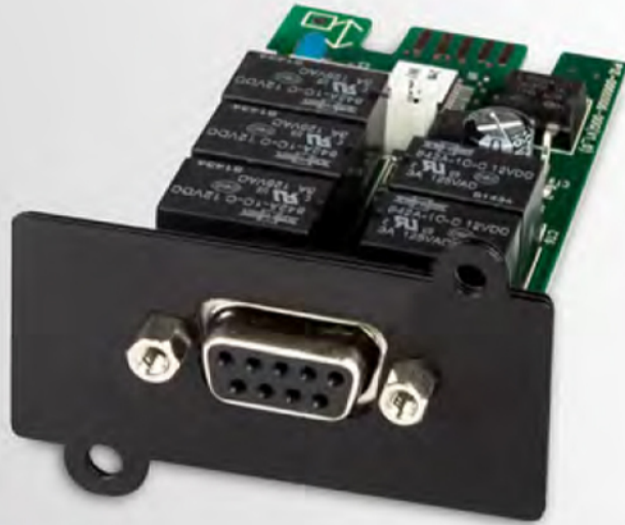
Model Name	PMCARD-L
Management & Communications	
LED Indicators	Tx/Rx, Link
Connectivity Port	RJ45, RJ45 (reserve)
Power Management Software	Power Master
Remote Management	Web
Supported Protocols	IPv4, SNMPv1/v3, HTTP/HTTPs, TCP/IP, UDP, DHCP, NTP, DNS, SMTP, SSL, TLS1.2, Telnet, FTP
Physical	
Color	Green
Dimensions (W x H x D)(mm.)	41 x 36.1 x 76.5
Weight (kg.)	0.038
Shipping Dimensions	
Dimensions (W x H x D)(mm.)	168 x 58 x 164
Weight (kg.)	0.16
Environmental	
Operating Temperature (°F)	32 ~ 113
Operating Temperature (°C)	0 ~ 45
Operating Relative Humidity (Non- condensing)	0 ~ 95
Operating Elevation	0-10,000 feet (0-3,000 meters)
Storage Temperature (°F)	14 ~ 131
Storage Temperature (°C)	-10 ~ 55
Storage Relative Humidity (Non-condensing)	0 ~ 95
Storage Elevation	0-50,000 feet (0-15,000 meters)
Certifications	
Certifications	CE, FCC Class B
RoHS	Yes

POWER MANAGEMENT CARD

DCT400

KEY FEATURES

- On-site UPS Status Monitoring & Local Device Control
- 5 Contact Closures Indicating UPS Status Information
- On-site UPS Shutdown on Battery Mode
- Hot-Swappable (Plug-n-Play)
- Quick Installation
- Dry Contact



DCT400

SPECIFICATION

Model Name	DCT400
Electronics	
External S / D Voltage	7.5V - 12V
Power Dissipation	1.35W Max (Default 12V input)
Output Relay Rating	
Voltage (max.)	30VDC/125VAC
Current (max.)	3A (per relay)
Indicating UPS status	
UPS fault	Yes
Summary alarm	Yes
UPS is OFF. / UPS is in Bypass Mode. *	Yes
Battery Low	Yes
UPS is on	Yes
Utility Line Fail	Yes
Management	
Interface	DB9 / Terminal
Remote shutdown at bat. mode	Yes
Physical	
Dimensions (W x H x D)(mm.)	41.8 x 14.2 x 81
Weight (g)	52
Environmental	
Operating Temperature	0-40°C
Operating Humidity	0% - 95% non-condensing
Operating Elevation	0 - 10000 feet (0 - 3000 meters)
Certifications	
Certifications	CE
RoHS	RoHS Compliant