

Power Home UPS Series

850VA/1500VA

The Power Home UPS is a truly unique UPS that provides selectable voltage sensitivity modes for device compatibility. UPSs from this series can be set in UPS Mode for sensitive electronics (computers) or Inverter Mode for household appliances. This UPS offers a user selectable high current charging system of 10A or 20A designed for long runtime solutions.

Applications: Computers, Consumer Electronics, TVs, Home Appliances, Motorized Appliances, Copiers, Portable AC, Refrigerators, Fans and etc.

Features:

- Stable low frequency design for motorized appliances
- Selectable input voltage range (UPS or Inverter mode) for a range of applications
- Selectable 10A or 20A charging current system for larger batteries and extended runtime
- Auto-restart while AC is recovering
- Overload and short circuit protection
- Generators compatible
- Cold start function



Electric Motor Equipment
Compatible



Generator Compatible

Simulated Sine Wave UPS With Charger

Circuit Breaker

Will trip due to very high surge.
Please reduce the amount of equipment plugged into the outlet of the unit. Next, reset the circuit breaker by pushing it back in.

Input Voltage Range

Select UPS operation mode:
*Inverter Mode for home appliances
*UPS Mode for office equipments

Charge Current Selector (10A or 20A)

*10 A charger supports up to 100 Ah
*20 A charger supports up to 200 Ah

Caution: (1) The charging current must be in "low" mode if battery capacity is less than 100Ah. (2) "Low" mode requires minimum 30Ah battery capacity and "High" mode requires minimum 60Ah battery capacity.



Battery Packs

AC Input

Connects with utility power to charge battery and to power equipments at normal condition.



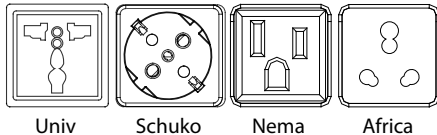
Utility

Battery Connector

Connects with battery power to equipments during power failure.

Battery Power Supplied Outlets

Keep connected equipments up and running even when the power is out.



Univ

Schuko

Nema

Africa

Home Appliances *
(Inverter Mode)

*Generator Compatible

Office Equipments
(UPS Mode)**POWER HOME UPS-CHARGER SPECIFICATION**

MODEL	UPS-850HL	UPS-1500HL
CAPACITY	850 VA / 600 W	1500 VA / 1050 W
INPUT		
Voltage	120 VAC or 230 VAC	
Voltage Range	90-145 VAC / 180-260 VAC (UPS Mode) 50-160 VAC / 100-300 VAC (Inverter Mode)	
Frequency	50 Hz / 60Hz (auto sensing)	
OUTPUT		
Voltage Regulation (Batt. Mode)	100VAC-120VAC \pm 5% or 200VAC-230VAC \pm 5%	
Frequency	50 Hz or 60Hz	
Frequency Regulation (Batt. Mode)	50 Hz or 60Hz \pm 1Hz	
Transfer Time	10 ms Typical	
Waveform	Simulated Sine Wave	
BATTERY (Not Included)		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.7 VDC \pm 2%	27.4 VDC \pm 2%
Low Battery Alarm Voltage	10.2 VDC \pm 2%	20.4 VDC \pm 2%
Shutdown Voltage	9.9 VDC \pm 2%	19.8 VDC \pm 2%
Overcharge Protection	15.0 VDC \pm 2%	30.0 VDC \pm 2%
Maximum Charge Current	10 A or 20 A selectable	
PROTECTION		
Full Protection	Overload and short circuit protection	
INDICATORS		
AC Mode	Green lighting	
Low Battery	Yellow flashing	
Fault	Red lighting	
ALARM		
Low Battery	Sounding every second	
Overload	Sounding every 0.5 second	
Battery Replacement	Sounding every 2 seconds	
Fault	Continuously sounding	
PHYSICAL		
Dimension, (D X W X H) (mm)	289 x 290 x 127	
Net Weight (kgs)	6.99	10
ENVIRONMENT		
Humidity	0 to 90% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 40°C	
Storage Temperature	-15°C to 70°C	

* Product specifications are subject to change without further notice

** AWG8 battery cables (700mm) included with unit

MARUSON[®]
TECHNOLOGY CORP.
Power Solutions for All Your Needs

Maruson Technology Corp.

18557 East. Gale Ave., City of Industry, CA. 91748
Toll Free: 1-888-MARUSON
TEL: +1-626-912-8388 FAX: +1-626-912-8680
E-Mail: Info@MarusonUSA.com Web Site: www.MarusonUSA.com



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