



POWERBACK PB600L, PB850L AND PB1500L

VOLTAGE REGULATION AND STABILISATION
FOR ALL ELECTRICAL AND ELECTRONIC EQUIPMENT

Description

The Sollatek PowerBack L (Linear) series is a rugged range of inverters suitable for harsh power environments. It provides an emergency backup system that makes it possible for homes or offices to have continued access to electrical service during power outages. The Sollatek PowerBack is an inverter charger that will provide simple and silent operation.

A low cost solution but also fully featured to provide back up when needed most.

Equipped with a powerful charger to ensure fast charging when AC mains is available.

Applications

Suitable for any office or home environment that has an emergency requirement for uninterrupted mains power.

- Office equipment and appliances, including lighting.
- Home appliances, including air conditioners and refrigeration.

Features

PB600L

- 600VA simulated sine wave inverter
- Wide input voltage range
- 10A standard charging current.
- Auto restart while AC is recovering
- Overload, deep discharge, overcharge, and short circuit protection
- Cold start function
- Built-in solar charger (Option)

PB850L / PB1500L

- 850VA/1.5K VA simulated sine wave inverter
- Selectable input voltage range for home appliances or personal computers
- Selectable charging current: 10A or 20A
- Auto restart while AC is recovering
- Overload and short circuit protection
- Generators & computer-related devices compatible
- Cold start function



High Voltage



Low Voltage



Spikes/Surges



Power-Back Surges



RFI/Noise

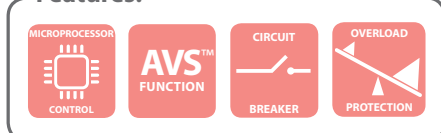
8/20µs
Class III
Surge/Spikes

Power Cuts



Telecom Surges

Features:



Protection for:



TECHNICAL SPECIFICATIONS

Model	PB600L	PB850L	PB1500L
Capacity	600 VA / 360 W	850 VA / 600 W	1500 VA / 1050 W
INPUT			
Voltage	230 VAC	230 VAC	230 VAC
Voltage Range	100 - 290 VAC	180-260 VAC*	180-260 VAC*
Frequency Range	50/60 Hz (auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt.mode)	200-220VAC		
Transfer Time	13 ms (typical)	20 ms max	20 ms max
Waveform (Batt. Mode)	Simulated Sinewave		
Peak Efficiency (AC Mode)	> 95% @ Rated R load and battery full charged		
BATTERY			
Battery Voltage	12VDC	12VDC	24VDC
Floating Charge Voltage	13.7 VDC ± 2%	13.7 VDC ± 2%	27.4 VDC ± 2%
Low Battery Alarm Voltage	10.8 VDC ± 2%	10.2 VDC ± 2%	20.4 VDC ± 2%
Shutdown Voltage	10.0 VDC ± 2%	9.9 VDC ± 2%	19.8 VDC ± 2%
Overcharge Protection	15.0 VDC ± 2%	15.0 VDC ± 2%	30.0 VDC ± 2%
Maximum Charge Current	13A	10 A or 20 A	10 A or 20 A
PROTECTION			
Full Protection	Overload, deep discharge, overcharge, and short circuit protection	Overload and short circuit protection	Overload and short circuit protection
INDICATORS			
	LED indicators		
Line Mode	Green lighting		
Battery Mode	Yellow flashing		
Fault	Red lighting		
ALARM			
Low Battery	Sounding every second		
Overload	Sounding every 0.5 second		
Battery Replacement	N/A	Sounding every 2 seconds	Sounding every 2 seconds
Fault	Continuously sounding		
PHYSICAL			
Dimension, D X W X H (mm)	358.5 x 96.8 x 146.5	289 x 290 x 127	289 x 290 x 127
Net Weight (kgs)	4.6	7	10
ENVIRONMENT			
Humidity	0 to 90% Relative Humidity (Non-condensing)		
Operating Temperature	0°C to 40°C		
Storage Temperature	-15°C to 70°C		

*100-300 VA Wide input option setting available

PRODUCT CODE	ITEM
978L1522-R16	POWERBACK PB1500L 1.5KVA 230V/24VDC R16
978L1822-EU	POWERBACK PB1500L 1.5KVA 230V/24VDC EURO
978L1822-UK	POWERBACK PB1500L 1.5KVA 230V/24VDC UK13
978L6012-R16	POWERBACK PB600L 0.6KVA 230V/12VDC R16
978L6012-EU	POWERBACK PB600L 0.6KVA 230V/12VDC EURO
978L6012-UK	POWERBACK PB600L 0.6KVA 230V/12VDC UK13
978L8512-EU	POWERBACK PB850L 0.85KVA 230V/12VDC EURO
978L8512-R16	POWERBACK PB850L 0.85KVA 230V/12VDC R16
978L8512-UK	POWERBACK PB850L 0.85KVA 230V/12VDC UK13

