Eaton 5E





Important safety instruction - Read before installing product



Personal safety

- The UPS has its own internal power source (the battery). Consequently, the power outlets may be energised even if the UPS is disconnected from the AC-power source.
- Dangerous voltage levels are present within the UPS. It should be opened exclusively by qualified service personnel. The UPS must be properly earthed. Measurements are required to ensure that the total leakage current of the UPS and the protected equipment does not exceed 3.5mA by checking their characteristics. The battery supplied with the UPS contains small amounts of toxic materials. To avoid accidents, the directives listed below must
- be observed: Never burn the battery (risk of explosion). Do not attempt to open the battery (the electrolyte is dangerous for the eyes and skin).
- Comply with all applicable regulations for the disposal of the battery. Batteries constitute a danger (electrical shock, burns). The short-circuit current may be very high. Precautions must be taken for all handing: remove watches, rings, bracelets and any other metal objects, use tools with insulated handles.

Product safety

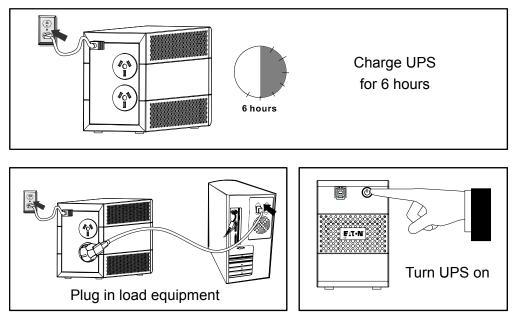
- The UPS connection instructions and operation described in the manual must be followed in the indicated order. UPS must be connected to a nearby wall outlet that is easily accessible. The UPS can be disconnected from the AC-power source
- by removing the power cord. Check that the indications on the rating plate correspond to your AC-power system and to the actual electrical consumption of all
- the equipment to be connected to the UPS.
- Never install the UPS near liquids or in an excessively damp environment
- Never let a foreign body penetrate inside the UPS. Never block the ventilation grates of the UPS. Never expose the UPS to direct sunlight or source of heat.
- If the UPS must be stored prior to installation, storage must be in a dry place. The admissible storage temperature range is -10°C to +40°C.

Special precautions

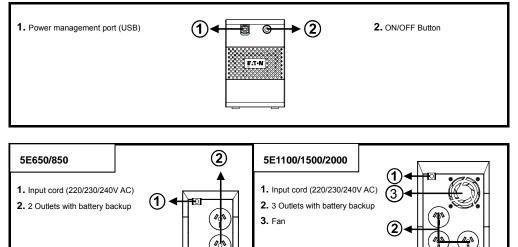
- Once installed and connected to the AC power source for the first time, the battery will start to charge. Full charging to obtain the rated battery backup time requires at least 8 hours. Before and after the installation, if the UPS remains de-energised for a long period, the UPS must be energised for a period of 24
- hours, at least once every 6 months (for a normal storage temperature less than 25° C). This charges the battery, thus avoiding possible irreversible damage.
- During the replacement of the battery module, it is imperative to use the same type and number of element previously mounted in the UPS, in order to maintain an identical level of performance and safety. In case of doubt, don't hesitate to contact our after sales department (for more information, refer to the web site http://powerquality.eaton.com/australia).



QUICKSTART



SYSTEM DESCRIPTION



TROUBLE SHOOTING

Symptom	Possible Cause	Remedy	
No LED display on the front panel.	1. Battery weak.	1. Charge battery up to 8 hours.	
	Battery defect.	Replace with the same type of battery.	
	3. Power switch is not pressed.	3. Press the power switch again.	
Alarm buzzer beeps continuously when AC supply is	Overload of the UPS.	Verify that the load matches the UPS capability specified in	
normal.		the spec.	
When mains power fails, back-up time is shortened.	1. Overload of the UPS.	1. Remove some non-critical load.	
	2. Battery voltage is too low.	Charge battery for 8 hours or more.	
	3. Battery is defective or aging	Replace with the same type of battery.	
Mains normal but LED is flashing.	Input power cord is loose.	Reconnect the power cord properly.	

SPECIFICATIONS

MODEL		5E650iUSB-AU	5E850iUSB-AU	5E1100iUSB-AU	5E1500iUSB-AU	5E2000iUSB-AU	
CAPACITY	VA/W	650VA/ 360W	850VA/ 480W	1100VA/ 660W	1500VA/ 900W	2000VA/ 1200W	
INPUT	Input voltage range	170V-280V					
OUTPUT	Output on battery	230V					
	Voltage Regulation (Bat. Mode)	+/-10%					
	Frequency	50Hz or 60Hz					
	Frequency Regulation (Bat. Mode)	+/-1 Hz					
	Output Waveform	Modified Sine wave					
BATTERY	Battery Type	(1)12V 7Ah	(1)12V 9Ah	(2)12V 7Ah	(2)12V 9Ah	(2)12V 9Ah	
DATTERT	Recharge Time	6 hours to 90% after complete discharge					
GREEN POWER FUNCTION	· ·	Yes (UPS powers off under light load and no mains power condition) No					
COMMUNICATION	USB	Yes					
TRANSFER TIME	Typical	2-6ms typica	2-6ms typical, 10ms max. 4-8ms typic			s typical, 10ms max.	
INDICATOR	AC Mode	Green LED lighting					
	Battery Mode	Green LED Flashing					
AUDIBLE ALARM	Backup Mode	Sounding every 10 seconds					
	Low Battery	Sounding every 1second					
	Overload	Sounding every 0.5 second					
	Battery replace	Sounding every 2 seconds					
	Fault	Continuously sounding					
PROTECTION	Full Protection	Discharge, overcharge, and overload protection					
PHYSICAL	Dimensions H*W*D	148*100*288		180*133*330			
WEIGHT	Net Weight	4.6kg	5.1kg	9.3kg	10.5kg	10.5kg	
ENVIRONMENT	Operating Environment	0°C - 40°C					
	Altitude	Maximum operating altitude must not exceed 2000m					
	Noise Level	Less than 45dB					
BACK UP TIME	For a 100W load	16min	20min	30min	40min	45min	
WARRANTY		12 months					

Contact: Eaton Power Quality, 10 Kent Road, Mascot NSW, 2020, Australia. http://powerquality.eaton.com/australia