Eco UPS

600 – 2200va

USER MANUAL

Contents

1. Introduction statement

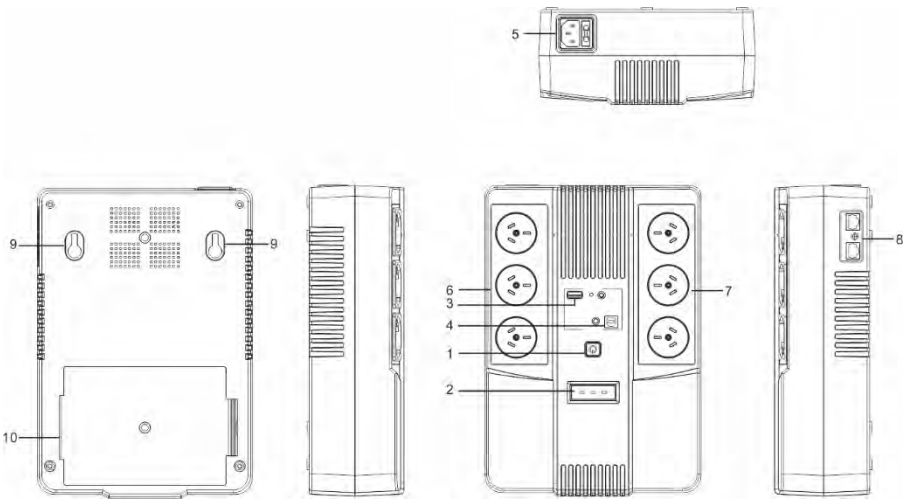
Thank you for choosing ECO UPS by PSS Distributors, ranging from 600VA-2200VA. This UPS is specifically designed for Small Office Home Office (SOHO) CCTV and POS applications. Its lightweight compact design perfectly fits into the working environment. It is equipped with a voltage regulator which stabilises the voltage. Internal surge arrestors are designed to limit damage to attached equipment in case of a surge.

2. Safety notes

- Dangerous voltages and high temperature exist inside the UPS.
- There are no serviceable parts, internally.
- Maintenance of the equipment must be done by authorised personnel or PSS staff.
- Do not connect extension leads to the output of the UPS.
- Do not plug the input into the output of the UPS.
- Due to overheating, do not cover the UPS.
- The UPS is intended for backing up electric equipment.
- Fans, vacuum cleaners, heaters etc. will cause damage to the UPS.
- It is recommended to not put the UPS on soft surfaces like carpets, because of acid being present in the batteries.

3. Description

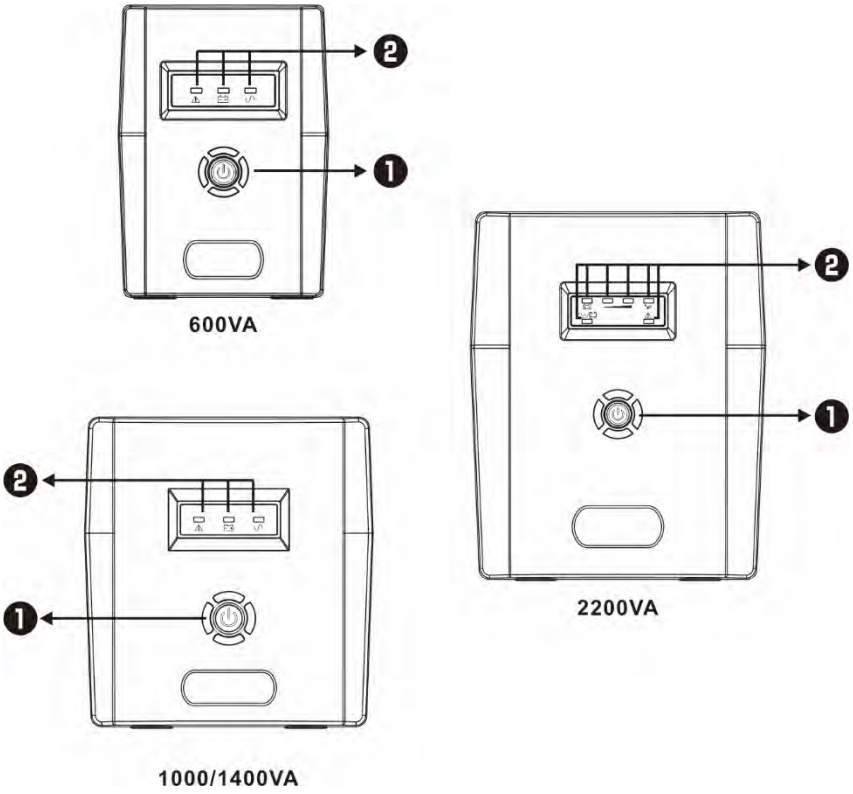
3.1 Eco 800VA (Powerboard type UPS)



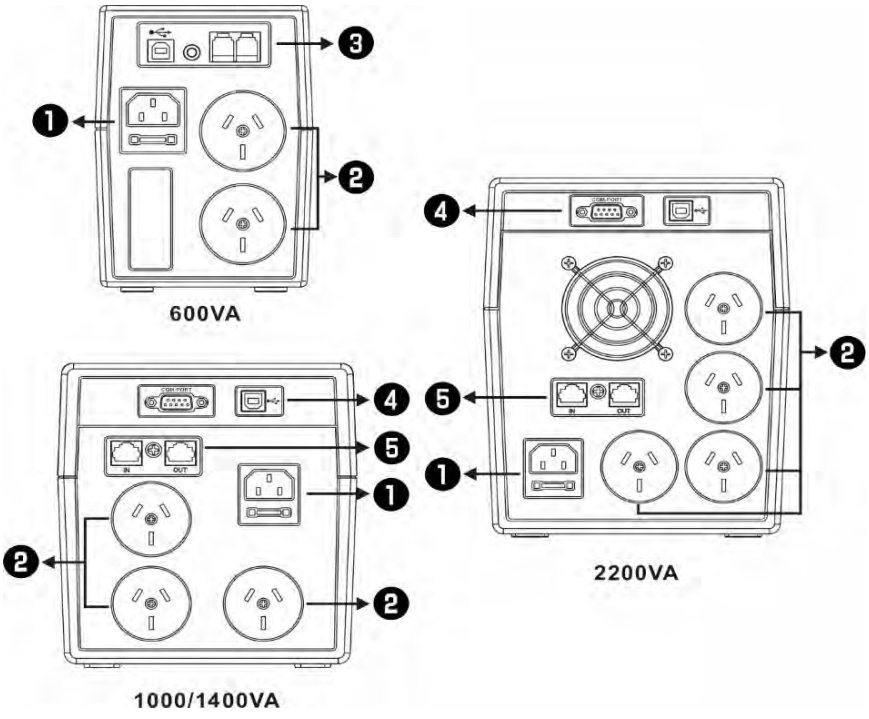
1. ON/OFF Switch
2. LCD: Voltage in and out and load and battery level.
3. USB charger
4. USB communications port.
5. IEC mains input.

6. Surge protection outputs only
7. UPS and surge protected outputs.
8. LAN connection.
9. Mounting holes.
10. Battery cover.

3.2 Eco 600, 1000, 1400 and 2200VA



1. ON/OFF Switch
2. LCD: Voltage in and out and load and battery level. LED: Power on, Battery charging and fault.

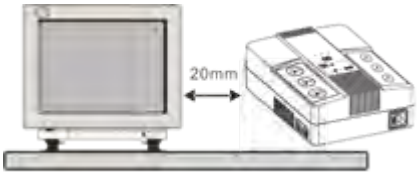


1. IEC mains input
2. UPS and surge protected outputs.
3. USB communications port and LAN connection
4. USB communications port and RS232
5. LAN connection.

4 Positioning the UPS

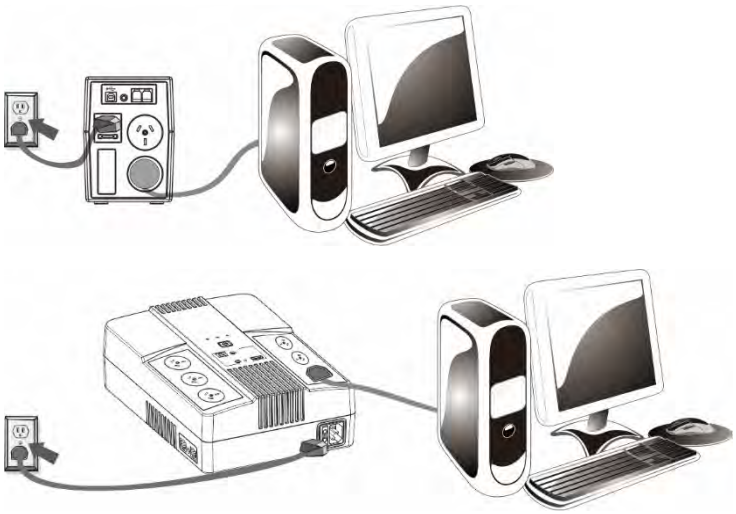
- Once the unit has been unpacked, examine the UPS for any damage, do not switch the UPS on if there is any damage. IF damage is present repack the unit and return it to the supplier.
- Install the UPS indoors with adequate airflow around the unit to ensure cooling. Do not obstruct air vents in any way.
- Do not install near water, excessive humidity, heat source or direct sunlight.

- Install the unit at least 20mm from a monitor or any other device to avoid interference.

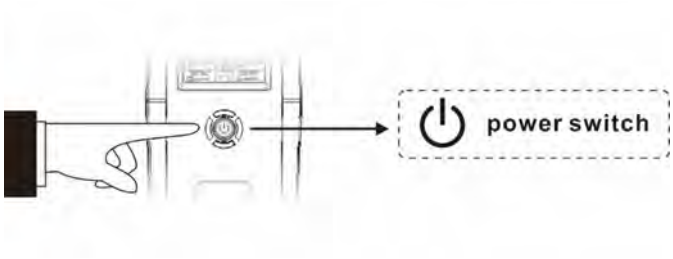


5 Connecting the UPS

- Once placed correctly, plug the input cable into the standard 10A wall socket and the IEC plug into the back of the UPS.



- Switch the UPS on at the power switch.



- An audible alarm will sound for a second and the devices and LED/LCD will illuminate.

- It is safe to now plug in devices that need to be protected by the UPS.

6 Monitoring Software

- Connect USB cable suppled to Communications USB on the UPS to a USB on the computer (only supplied on 800, 1400 and 2200VA)
- Download SOFTWARE - ECO.exe
- Execute ECO Software .exe
- Check that SOFTWARE is running in the taskbar and activated.

7 Trouble shooting

- If the red LED illuminates with a constant audible alarm there is a fault on the UPS.

LCD display	Fault
F00	Output voltage too high
F01	Battery overcharge
F02	Output short
F03	Overload after alarm
F04	Battery voltage too low
F05	Fan error (only for 4 Pin Fan)
F06	Temperature too high (NC)
F07	AVR limit-time after alarm

- Disconnect load and if alarm persists, please go to: https://youtu.be/MPS60qijNcg?si=a54CAY82UExHmtey

8 Specifications

Model	Eco600	Eco800L	Eco1000	Eco1400L	Eco2200L
Capacity	600VA/360W	800VA/480W	1000VA/600W	1400VA/840W	2200VA/132000W
Display	LED	LCD	LED	LCD	LCD
Input					
Input Voltage	230V				
AVR voltage range	162V-290V				
Frequency range	50Hz ± 10%				
Output					
Voltage regulation	230Vac ± 10%				
Frequency	Batt. Mode 50Hz, +/- 1%				
Waveform	Modified/Simulated Sine Wave				
Transfer time	Typical 2-6ms				
Output sockets	2x Aus standard 10A	3x Aus standard 10A 3x Surge protection	3x Aus standard 10A	3x Aus standard 10A	4x Aus standard 10A
Battery					
Type	Sealed lead acid				
Configuration	1 x 12V/7AH	1 x 12V/9AH	2 x 12V/7AH	2 x 12V/9AH	2 x 12V/9AH
Charge current(Max)	1.2A	2A	2A	2A	2A
Recharge	6-8 hours to 90% capacity after complete discharge				
Communications and management					
Communication	Nil	USB	Nil	USB	RS232 & USB
Network surge protection	Nil	RJ45	Nil	RJ45	RJ45
Software supplied	Nil	UPSilon	Nil	UPSilon	UPSilon
DC start	Yes				
Auto restart	Yes				
AVR	Yes				
Surge protection	125Joules / 4500A				
Short circuit	User Replaceable Fuses on overload				
Display indication &audible alarms	LCD: Input & Output Voltage, Battery level, Load level, UPS status. LED: Mains present, battery charge, mains fail, fault.				
Environment					
Audible noise	Less Than 30dB				
Temperature	0 - 40 Degrees				
Humidity	0-90% RH (Non-Condensing)				
Physical dimensions					
Dimensions (HxWxD)	144x95x300	95x200x293	164x150x355	225x124x385	200x158x385
Shipping Dimensions (HxWxD)	213x144x350	245x130x360	235x195x346	313x178x453	288x215x454
Net weight	4Kg	5.2Kg	7.7Kg	10.6Kg	11.1Kg