

TelePower1-100S

1KVA Long Run Time UPS

User Manual



- Please check the load carefully - If the units capacity is exceeded while in back-up mode the machine will switch off.

Introduction

Thank you for purchasing a TelePower-1 uninterruptable power supply. The unit that you have chosen is designed to automatically provide power to your electronic equipment once the mains fails.

In order for the power protection equipment to work effectively, it must be sized according to the load it must carry. Power protection is normally sized in Volt/Amps but can be rated in watts or amps. Most types of equipment will have a power rating on the back of each unit this will be given in either Watts or amps, to convert to VA the following formulas can be used.

$$\begin{aligned} \text{Volts (V) x Amps (A)} &= \text{Volt/Amps (VA)} \\ \text{VA x Power Factor (Pf)} &= \text{Watts.} \end{aligned}$$

Example : Mains Voltage = 220 V
Current Drawn = 0.5 A
 $220 \times 0.5 = 110 \text{ VA}$

Installation And Operation

1. Unpacking And Inspection.

- Examine the packing carton for damage.
- If there appears to be any damage notify the carrier immediately. Failure to do so could invalidate any possible insurance claim.
- Carefully open the carton and take the UPS out.
- Retain the carton and packing material for future use.

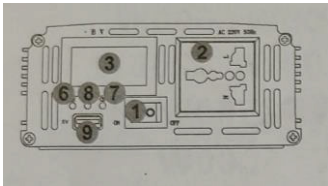
2. Important Notices.

- Read instructions carefully before operating UPS.
- All instructions in the manual should be followed.
- The power supplied to the UPS must be correctly earthed.
- Power cords to and from the UPS should be routed so that they are not likely to be walked on.
- The UPS contains voltages that are potentially hazardous. Do not open the unit. The cover should only be removed by qualified personnel.
- The UPS has its own energy source (internal battery). The output receptacles could be live even when the UPS is not connected to the mains supply.

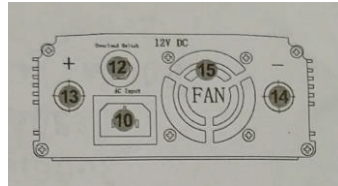
3. Installation.

The UPS that you have purchased is designed to run sensitive electronic equipment such as computers, TV Sets and Decoders. It should therefore be treated like an integral part of the system it is protecting. The following conditions should exist:

- The unit is to be stood in an area with adequate airflow.
- Environmental conditions as laid out in the specifications should be adhered to. The unit will operate most effectively at standard room temperature.



UPS Front



UPS Back

1. On-Off Switching
2. Output Socket
3. battery Voltage Display
6. Inverter LED
7. USB LED
8. Charger LED

9. USB Charger Output
10. Input Socket
12. Overload Cut-out Switch
13. Battery Positive Connection Point
14. Battery Negative Connection Point
15. Fan

4. Operation.

- Before plugging the unit into mains make sure that the power switch is in the OFF position.
- Make sure that the red and black cables from the battery cabinet are connected to the UPS - red to positive (13) and black to negative (14)
- Connect the power cord to the input socket on the UPS, then Plug the power cord into the mains.
- Connect all equipment that is to be powered from the UPS to the output. All equipment should be switched off while plugging in.
- Switch the UPS on, then switch on the load one unit at a time. Once the UPS is switched on the USB LED (7) and Charger LED (8) indicator lights will illuminate. As soon as the battery is fully charged the Charger LED will go off.

- Your UPS is ready to go. Test the UPS by switching off the input power, the equipment running from the UPS should stay on and there will be an alarm from the UPS to indicate a power failure.

Specifications

Model No.	TP1		
Capacity VA (Watts)	1 000VA (800W)		
Input Voltage and Frequency	230V AC \pm 25% @ 50Hz		
Transfer Time	\leq20ms		
Output Voltage On Inverter	220V AC \pm 3%		
Frequency on Inverter	50 Hz Crystal Controlled		
Inverter Wave Form	Modified Sine Wave		
Overload Capability	200% In rush current demand		
Batteries	1 x 12V 100Ah Sealed Lead Acid		
Re-Charge to 90 %	\pm 8 Hours		
Backup Time	25% Load	50% Load	75% Load
	4 Hours	2 Hours	1 Hour
Ambient Operation	3000M Max Elevation, -10 to 40 C, 0 to 90% Humidity		
Audible Noise At 1 M	< 50 dbA		
Short Circuit Protection	Yes		
Low Battery Shutdown	Yes		
Controls	Mains Fail Alarm (Slow intermittent beep), Low Battery Alarm (Continuous beep), Mains on indicator, Charging indicator, LED Display		
UPS Dimensions (w x d x h) mm & Weight	144 x 245 x 65 @ 4 Kgs		
Battery Dimensions (w x d x h) mm & Weight	225 x 390 x 300 @ 37 Kgs		