Tescom®

Uninterruptible Power Supplies

SSPRO

secure power



Pure sine wave, inline UPS.

Features:

- Pure sine wave output.
- Microprocessor based design with true inline topology.
- Adjustable voltage sensitivity, charging voltage and voltage-transfer points.
- Remaining estimated backup time indication (EBT system on LCD version)
- Smart battery management with intelligent double stage charging control.
- Real time auto-detection for battery condition.
- Automatic restart of load after UPS shutdown.
- Generator compatible.
- “Green power” design with auto on/off function.
- Network manageable (SNMP optional).
- RS-232 interface for communication, compatible with all major O.S., Including Windows, Linux, SCO UNIX and DOS.
- Protection for overload, short circuit and over temperature.

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SSPRO - 1000, 2200, 3300, 5000, 6500

OUTPUT	
Power levels	1000VA/600W; 2200VA/1350W; 3300VA/2000W 5000VA/3250W; 6500VA/4225W
Output voltage	200V/220V/230V/240V selectable
Voltage waveform	Sinewave
Crest factor	3 : 1
Output frequency (synchronized to mains)	Auto select for 50/60Hz; 47Hz-55Hz for 50Hz nominal 56Hz-65Hz for 60Hz nominal
Regulation (nominal)	±5% typical of nominal voltage
Regulation (battery made)	±3% typical of selected voltage (adjustable with the remote set-up software)
Over current protection	Overload alarm level 100%-120%, overload shutdown level 120% - 190% (adjustable with the remote set-up software)
INPUT	
Nominal voltage	200V/220V/230V/240V selectable
Input frequency	47HZ - 65HZ, 50/60HZ auto-sensing
Efficiency	79% (normal mode)
Noise filtering	Full time EMI/RFI filtering
Over current	1000VA - 2200VA by AC fuse 3300VA - 6500VA by resettable over current protector
Voltage range	-20% - +24% for selected nominal voltage -29% - +33% adjustable with the remote set-up software
Surge protection	1000VA - 220 Joules; 2200VA-3300VA - 440 Joules 5000VA-6000VA - 660 Joules
BATTERY	
Battery type	Maintenance free sealed, value regulated, lead acid 1000VA - 5000VA 12V 7AH; 6500VA - 12V 9AH
Voltage	1000VA - 24VDC; 2200 VA - 48 VDC 3300VA - 6500VA 72VDC
Typical backup time	10 - 30 minutes. Load dependent Long run times also available
Charging method	Smart pulse charging with two charge modes. Quick charging when battery is not fully charged. Trickle charging when battery is 90% charged.
Charging time	±3 hours to 90% at normal line and normal temperature
Charging current	2.5A average and 10A (long run models)
Average charging voltage per batt.	Quick charge mode - 14V maximum. Trickle charge mode 13.2-13.9V adjustable with the remote set-up software
Protection	Over current protection and over charging voltage protection - (SCR control) Thermal protection - (CPU control) When the temperature inside the UPS is over 45 degrees the charger will stop charging for 2.5 minutes followed by a Charging cycle of 1.5 minutes. The cycle will be repeated until the temperature is below 44 degrees.
Monitoring	Smart monitoring and warning for failed battery or open Circuit battery. Auto detection every time the UPS is Powered on or every 6 days.

COMMUNICATIONS AND MANAGEMENT	
Standard interface	UPSilon 2000 compatible 1000VA Rs232 optional for RJ45, USB 2200VA Rs232 + USB optional for RJ45 3000VA - 6500VA Rs232 +USB =Rj45 (surge protection)
Optional interface	DB9, SNMP (external type)
Control panel	LCD
Audible alarm	Alarm on battery - Low battery and battery over voltage Alarm on abnormal operation - Over load, short circuit and overheat
EBT (Estimation of backup time system)	Support for LCD display
Green mode function (Auto shutdown)	1-14% of full load (adjustable with remote set-up software) The default setting is off
ENVIRONMENT AND SAFETY	
Operating temperature	Up to 1500 meters, 0 - 40 degrees
Transit/storage temperature	-15 - 55 degrees
Relative humidity	5 - 95% non condensing
Operating altitude	0 - 3000 meters
Audible noise	40 dBA (at 1m from surface of the unit)
Safety marking	CE
EMC	Class B EN50091-2, FCC part15, IEC 1000-2-2
Quality control system	ISO 9001
PHYSICAL	
Dimensions (DxHxW) Unit/shipping	1000VA 38x20x18cm / 48x33x30cm 2200VA - 3300VA 51x20x16cm / 54x33x30cm 5000VA - 6500VA 51x20x35cm / 63x32x45cm
Weight Net/Gross (kg)	1000VA 15/16 (kg) 2200VA 25/26 (kg) 3300VA 36/37 (kg) 5000VA 50/53 (kg) 6500VA 52/55 (kg)

* Due to continuous product improvements specifications are subject to change without further notice.

Accessories

Net agent II : SNMP (int. card or ext. With adapter)
RM2000 : Remote monitoring panel

All products are manufactured to the following standards: