

POER

STAY ON . STAY **POERED**.



PO1000T

POER PO1000T SMART-ONLINE UPS 1:1 PHASE, TOWER 1KVA/900W, 230V/70HZ

GENERAL INTRODUCTION

This UPS is specially designed for Personal Computer with multi -functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with two boost and one buck AVR to stabilize wide input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supply. Although it's a small UPS, The main features of UPS are listed below:

FEATURES

- High power density
- Online double conversion with full digital control
- Input power factor 0.99 with PFC
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Versatile LCD human-computer interface
- Multiple protection function



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TECHNICAL SPECIFICATIONS

Capacity (VA/W) 1000/900

INPUT

Nominal voltage (Vac) 230
Operating Voltage Range (Vac) 110-300 (170-264 @ 100% load)
Operating Frequency Range (Hz) 40-70 (50/60 Auto Sensing)
Power Factor ≥ 0.99

OUTPUT

Nominal voltage (Vac) 230
Voltage Regulation $\pm 1\%$
Power Factor 0.9
Output Frequency (Hz) Line mode: 46-54 or 56-64; Bat. mode: (50/60 $\pm 0.1\%$)
Crest Factor 3:1
Harmonic Distortion (THDv) $\leq 3\%$ Linear load; $\leq 5\%$ Non linear load
Transfer time (ms) AC mode to BAT. mode 0; Inverter to Bypass: 4 (Typical)
Waveform Pure Sinewave

EFFICIENCY

Ac Mode Up to 90%
Eco Mode Up to 95%

BATTERY

Battery Type VRLA (Lead acid maintenance free battery)
Battery Voltage (Vdc) 24 , 26
Battery quantity (pcs) 2 , 3
Charging current (Max.) (A) 1

MANAGEMENT

LED Display Line mode, Bat. mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault
LCD Display Input voltage, Input frequency, Output voltage, output frequency, load percentage, Battery voltage, Inner temperature & Remaining battery backup time

ENVIRONMENTAL

Operating Temperature (°C) 0~40
Storage Temperature (°C) -25~55
Humidity Range 20~95%RH @ 0~40°C (Non condensing)
Altitude (m) <1000, derating required between 1000 to 3000
Noise Level (dB) <50

PHYSICAL

Dimension WxDxH (mm) 144x293x209
Weight (kg) 9.3

STANDARDS

Safety IEC/EN 62040-1, IEC/EN 62477-1
EMC IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)

-  1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
- 2. Specifications are subject to change without prior notice
- 3. Data above are typical values for reference only, not as a basis for engineering design