



Smart Online Tower

Single Phase Uninterruptible Power Supply

Smart is the save cost for UPS small to medium power in tower or rack form. This model offers a great Solution for small computer centers, servers and for industrial applications.



Medical
equipment



Shops



Small offices



Sensitive IT loads



Telecom



Critical buildings



Alarm & security
systems



Small/medium
data center



www.itapower.it

Smart Online RT UPS
1KVA~10KVA



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage range
- Converter mode available
- ECO mode for energy saving for 1-3KVA models
- Generator compatible
- Adjustable charging current via LCD (1A~6A)
- Emergency power off function (EPO) for 6K/10K
- Comprehensive display allows easy monitoring and access of UPS status

Technical Specifications

| MODEL | SMART 1000 | SMART 2000 | SMART 3000 | SMART 6000 | SMART 10000 |
|---------------------------------------|---|------------------|------------------|--|-------------------|
| PHASE | Single phase with ground | | | | |
| Capacity | 1000 VA / 900 W | 2000 VA / 1800 W | 3000 VA / 2700 W | 6000 VA / 5400 W | 10000 VA / 9000 W |
| INPUT | | | | | |
| Nominal Voltage | 200/208/220/230/240 VAC | | | | |
| Voltage Range | 180-300 VAC (Based on load at 100%) | | | 176-300 VAC (Based on load at 100%) | |
| Frequency Range | 40Hz ~ 70Hz | | | 46-54 Hz or 56-64 Hz | |
| Power Factor | ≥ 0.99 @ nominal voltage (100% load) | | | | |
| OUTPUT | | | | | |
| Output Voltage | 200*/208*/220/230/240 VAC | | | | |
| AC Voltage Regulation (Batt. Mode) | ± 1% | | | | |
| Frequency Range (Synchronized Range) | 47 ~ 53 Hz or 57-63Hz | | | 46-54 Hz or 56-64 Hz | |
| Frequency Range (Batt. Mode) | 50 Hz or 60Hz ± 0.5% | | | 50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz | |
| Current Crest Ratio | 3:1 (max.) | | | | |
| Harmonic Distortion | ≤ 3 % THD (Linear Load); ≤ 6 % THD (Non-linear load) | | | ≤ 3 % THD (Linear Load); ≤ 5 % THD (Non-linear load) | |
| Transfer Time | Zero | | | | |
| | AC mode to Battery mode | 4 ms (Typical) | | | Zero |
| Waveform (Batt. Mode) | Pure Sinewave | | | | |
| EFFICIENCY | | | | | |
| AC Mode | ≥88% | ≥89% | ≥90% | ≥92% | ≥93% |
| Battery Mode | ≥83% | ≥85% | ≥88% | ≥90% | ≥91% |
| BATTERY | | | | | |
| Battery Type | 12 V / 9 AH | 12 V / 9 AH | 12 V / 9 AH | 12 V / 7 AH | 12 V / 9 AH |
| Numbers | 2 | 4 | 6 | 16 | 16 |
| Typical Recharge Time | 4 hours recover to 90% capacity | | | 9 Hours to 90% capacity | |
| Charging Current | 1.0 A | | | 1A/2A (Adjustable) | |
| Charging Voltage | 27.4 VDC ± 1% | 54.8 VDC ±1% | 82.1 VDC ±1% | 218.4 VDC ± 1% | |
| PHYSICAL | | | | | |
| Dimension, D X W X H (mm) | 397 x 145 x 220 | 421 x 190 x 318 | 421 x 190 x 318 | 369 x 190 x 688 | 442 x 190 x 688 |
| Net Weight (without battery) (kgs) | 4.4 | 6.8 | 7.6 | 12 | 16 |
| Net Weight (w/built-in battery) (kgs) | 11.4 | 26.2 | 27.2 | 61 | 74 |
| ENVIRONMENT | | | | | |
| Humidity | 20-90 % RH @ 0- 40°C (non-condensing) | | | | |
| Noise Level | Less than 50dBA @ 1 Meter | | | Less than 55dBA @ 1 Meter | |
| Altitude | 10% de-rating for over 1000m (The altitude should not exceed 3000m) | | | | |
| MANAGEMENT | | | | | |
| Smart RS-232/USB | Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux and MAC | | | | |
| Optional SNMP | Power management from SNMP manager and web browser | | | | |
| STANDARD | | | | | |
| EMC/safety | EMC EN62040-2 C2 for CE models | | | | |

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.

Product specifications are subject to change without further notice