



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



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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
Inverter to Bypass					
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-int 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

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