



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

Smart Online Tower UPS

Single Phase
Uninterruptible Power Supply

1KVA ~ 10KVA

www.itapower.it



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Single Phase Uninterruptible Power Supply

1KVA ~ 10KVA

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highlights

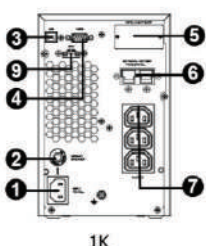
- ① True double-conversion
- ① Microprocessor control optimizes reliability
- ① Input power factor correction
- ① Output power factor 0.9
- ① Wide input voltage range
- ① Converter mode available
- ① ECO mode for energy saving for 1-3KVA models
- ① Generator compatible
- ① Adjustable charging current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



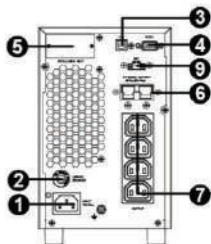
MODEL	SMART 1000	SMART 2000	SMART 3000	SMART 6000	SMART 10000
P/N	SMT01	SMT02	SMT03	SMT06	SMT10
PHASE	Single phase with ground				
Capacity	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W
INPUT					
Nominal Voltage	200/208/220/230/240 VAC				
Voltage Range	180-300 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	AC mode to Battery mode	Zero			
	Inverter to Bypass	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)				
IP Rating	IP 20				
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				

Product specifications are subject to change without further notice

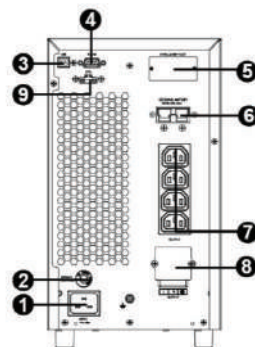
1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. SNMP intelligent slot
6. External battery connection
7. Output receptacles
8. Output terminal
9. Emergency power off function connector (EPO connector)



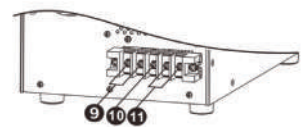
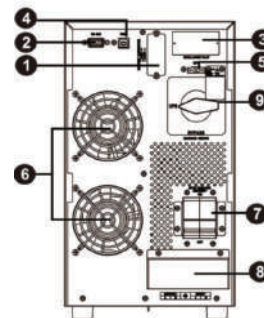
1K



2K



3K



6K - 10K

1. External battery connector
2. RS-232 communication port
3. Intelligent slot
4. USB communication
5. Emergency power off function connector (EPO connector)
6. Cooling fan
7. Input circuit breaker
8. Input/Output terminal (Refer to Diagram 3 for the details)
9. Output terminal
10. Grounding terminal
11. Utility input terminal
12. Breaker