



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



Smart Online Tower

Single Phase
Uninterruptible Power Supply

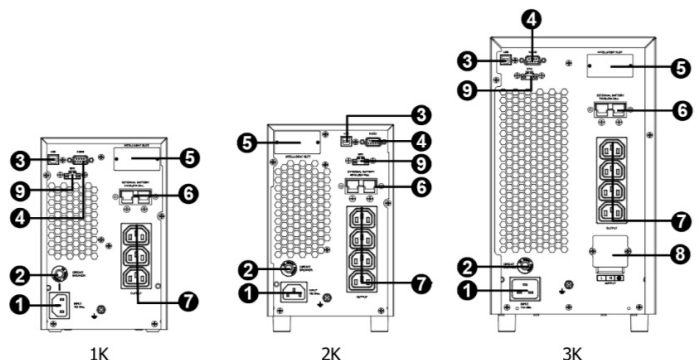
1KVA ~ 10KVA



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

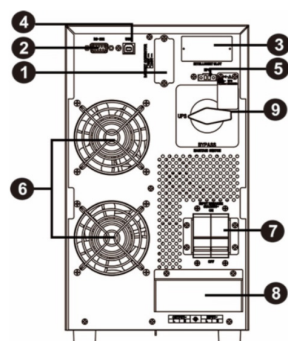
1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. SNMP intelligent slot
6. External battery connection
7. Output receptacles
8. Output terminal
9. Emergency power off function connector (EPO connector)



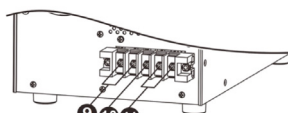
MODEL		SMART 1000	SMART 2000	SMART 3000	SMART 6000	SMART 10000
P/N		SMT01	SMT02	SMT03	SMT06	SMT10
PHASE		Single phase with ground				
Capacity		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W
INPUT						
Nominal Voltage		200/208/220/230/240 VAC				
Voltage Range		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-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



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