

UPS Online Double Conversion Tower - Single Phase Series HT3000 (1 ~ 10 KVA)



Specifications

- Online Double Conversion technology with stable and uninterrupted power and complete sine waveform in linear and non-linear load at maximum load consumption
 - Input power factor 0.99 and Active Power Factor Correction (APFC)
 - Output Power factor of 1
 - DSP (digital signal processors) control technology
 - LCD display to show input and output voltage, power as VA & frequency, inside temperature of the device, battery charge and load consumption rate
 - Adjust the output Voltage, Selectable battery shutdown voltage (EOD), automatic start, bypass mode and ECO mode through the LCD display panel
 - Advanced Battery Management (ABM) to control battery charge, discharge and fast and stable charge in about three hours and prevention of excessive battery discharge
 - With EMI protection filters and RFI varistor and protection against over current and over voltage, short-circuit, DC reverse voltage and lightning
 - Start without the need for city electricity (Cold Start) and automatic start-up after connecting the city electricity and settable delayed start when power is restored
 - Flexible battery configuration in UPS 6K & 10K (168/180/192/204/216/228/240 settable)
 - Adjust the output frequency at 50 and 60 Hz and has Auto Sensing Frequency
 - Effective software and hardware protection
 - Function at relative Humidity between 0 to 95% and temperature between 0 to 40 degrees Celsius
 - Turn off the device automatically in on sump hot no-load mode (ECO Mode)
 - Shut down automatically in emergency time
 - Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function
 - Wide input frequency range for operation with variety of generators in the range of 40 to 70 Hz and proper stabilization of the output frequency of 50 Hz with a tolerance of 0.1
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| <ul style="list-style-type: none"> ➤ 6000–10000 VA ➤ Advanced dual-core DSP control technology and 3-level technology ➤ System efficiency improved to 95%, energy saving rate is doubled ➤ Input voltage range from 90 volt to 288 volt ➤ Working efficiency up to 98% in ECO mode ➤ Standard 5A Charger, Optional 12A Charger (long time model) ➤ Flexible battery configuration (settable 10–22 pcs batteries) ➤ Fan speed varies intelligently with load, reducing noise and extending its service life | <ul style="list-style-type: none"> ➤ 1000–3000 VA ➤ Input voltage range from 110 volt to 300 volt ➤ Rear ventilation design and variable speed fan ➤ Quick and stable charging, 90% capacity restored in 3h (standard model UPS) |
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MODEL			HT 3010	HT 3020	HT 3030	HT 3060	HT 3100
POWER	VA		1000	2000	3000	6000	10000
	kW		1000	2000	3000	6000	10000
INPUT	Rated voltage		208 V/ 220 V/ 230 V/240 V				
	Voltage range		110 ~ 176 V (Linear derating between 50% and 100% load) 176 ~ 280 V (no derating) 280 ~ 300 V (derating 50%)				
	Rated frequency		50 / 60 Hz (auto-sense)				
	Frequency		40 ~ 70 Hz (auto-sense)				
	Power factor		≥ 0.99				
	Total harmonic distortion		THDI ≤ 6%			THDI ≤ 5%	
	Bypass voltage range		- 25% ~ +15% (settable)			- 40 %~ +15% (settable)	
OUTPUT	Voltage		208 V/ 220 V/ 230 V/ 240 V (settable via LCD)				
	Power factor		1				
	Voltage regulation		± 1%				
	Frequency		Synchronized with utility in mains mode 50/60Hz ± 0.1 Hz in battery mode				
	Waveform		Sinusoidal				
	Crest factor		3:1				
	Harmonic distortion		≤ 2% (linear load) ≤ 5% (non-linear load)				
	Transfer time		Mains mode to battery mode 0 ms - Inverter mode to bypass mode : 0 ms				
	Overload	1~3	105% ~ 125% for 1min, 125% ~ 150% for 30s, >150% for 300 ms				
6~10		105% ~ 110% for 10min, 110% ~ 125% for 1min,126% ~ 150% for 30s					
BATTERIES	DC voltage		36	72	96	Default 192Vdc (120~264Vdc) Default 16pcs,settable 10-22pcs(10~15 pcs linear derating to 50%)	
	Charging current	internal model	1A				
		external model	6A			Standard model:1A(default),1~5A settable Long time model:5A(default),1~5Asettable	
	Recharge time	internal model	90% capacity restored in 3 hours			90% capacity restored in 8 hours	
		external model	depend on the capacity of battery				
SYSTEM	Efficiency	Mains mode	≥ 90 %	≥ 91%	≥ 92%	≥ 94 %	
		Battery mode	≥ 85 %	≥ 86%	≥ 87%	≥100 %	
		ECO mode	≥ 95%	≥ 96%	≥ 97%	≥ 98 %	
	Display		LCD + LED				
	Communications		RS232 (standard) USB & SNMP (optional)				
	Alarms		Overload, Battery mode, battery voltage low, fans fault etc				
OTEHRS	Humidity Operating temperature		0 ~ 90% (non - condensing), 0°C ~ 40°C				
	IP rating		IP 20				
	Noise level		≤ 50 dB (1m)			≤ 55 dB (1m)	
PHYSICAL	Dimensions (WxDxH)(mm)	internal N	144×371×216	191×419×335		191×500×515	
		external X	144×336×216	191×418×335		191×440×350	
	Packaged dimensions (WxDxH)(mm)	internal N	230x460x315	277×500×435		310×654×600	
		external X	232x417x318			318×570×475	
	Net weight(kg)	internal N	12/8	23/1	29/4	49/5	58/5
		external X	6	10/5	11	14/5	15/5
	Gross weight (kg)	internal N	14	24/7	31/1	58	67
		external X	7	12	12/5	16	17