

UPS Online Double Conversion Rack Mount - Single Phase Series HT6000 (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 0.9
- DSP (digital signal processors)control technology
- Input voltage range from 110 volt to 300 volt
- 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
- 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 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
- Communication with PC by RS232 (standard), USB / RS485 / SNMP / Dry Call (optional)



MODEL		HT 6010	HT 6020	HT 6030	HT 6060	HT 6100	
POWER	VA	1000	2000	3000	6000	10000	
	W	900	1800	2700	5400	9000	
INPUT	Rated voltage	208 / 220 / 230 / 240 V					
	Voltage range	110 ~ 176 V (linear derating between 50% and 100% load); 176 ~ 280 V (no derating)					
	Frequency	40 ~ 70 Hz (auto-sensing)					
	Power factor	≥ 0.99 full load					
	Total harmonic distortion	THDI ≤ 5%					
	Bypass voltage range	160 ~ 255% (settable)			135 ~ 255% (settable)		
OUTPUT	Voltage	208 V/ 220 V/ 230 V/ 240 V (settable via LCD)					
	Voltage regulation	± 1%					
	Frequency	50/60 Hz ± 0.1 Hz (battery mode)					
	Power factor	0.9					
	Waveform	Sinusoidal					
	Crest factor	3:1					
	Total harmonic distortion	THDV ≤ 2% (linear load); < 5% (non-linear load)			THDV ≤ 1% (linear load); < 4% (non-linear load)		
	Overload	105% ~ 125% for 1 min _ 125% ~ 150% for 30 s					
BATTERIES	Transfer time	0 ms					
	Charging current	internal model	1A				
		external model	6A		5A - 12A (optional)		
	DC voltage	36	72	72~96	192~240		
SYSTEM	ECO mode	≥ 95 %	≥ 96 %	≥ 97 %	≥ 98 %		
	Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection					
	communications	RS232 (standard) , USB (optional) , SNMP (optional)					
	Max.paraller connections	4					
	Display	LCD					
OTEHRS	Alarms	Utility failure - Low battery - Overload - UPS fault					
	Operating temperature	0°C ~ 40°C					
	Relative humidity	0~95% (non-condensing)					
	IP rating	IP 20					
PHYSICAL	Noise level at 1m	≤ 50 dB			≤ 55 dB	≤ 58 dB	
	Dimensions (WxDxH) (mm)	internal (N)	440 x 430 x 88	440 x 560 x 88	440 x 560 x 88	440 x 660 x 176 (UPS)	
		external (X)	440 x 468 x 88	440 x 468 x 88	440 x 468 x 88	440 x 580 x 88 (Battery Case)	
	Packaged dimensions (W x D x H) (mm)	internal (N)	545 x 560 x 201	545 x 690 x 201	545 x 960 x 201	514 x 696 x 161(UPS)	
		external (X)	545 x 592 x 201	545 x 592 x 201	545 x 592 x 201	554 x 792 x 418 (Battery Case)	
	Net weight (kg)	15.8 (N) 7.6 (X)	56 (N) 9.7 (X)	26.8 (N) 10.1 (X)	58 (N) 12 (X)	63 (N) 14 (X)	
Gross weight (kg)	18.9 (N) 11.1 (X)	25.8 (N) 13.2 (X)	29.4 (N) 13.6 (X)	68 (N) 14 (X)	73 (N) 16 (X)		