

UPS Online Double Conversion

3phase / 1phase

Series HT 4000 (10~20 KVA)

Specifications



- Online Double Conversion high frequency and complete sine waveform in linear and non-linear load at maximum load
- Output power factor 1
- Digital signal processors control technology (DSP)
- Input power factor 0.99 and Active Power Factor Correction (APFC)
- Selectable input mode via LCD (3ph/1ph or 1ph/1ph)
- Input voltage ranges from 90 volt to 500 volt
- Flexible battery configuration in UPS (192/204/216/228/240 settable)
- Start without the need for city electricity (Cold Start), settable delayed start when power is restored
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Adjust the output Voltage, Selectable battery shutdown voltage (EOD), automatic start, bypass mode and ECO mode through the LCD+LED display panel
- Effective software and hardware protection power-on self-test
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Function at relative Humidity between 0 to 95% and temperature between 0 to 40° C,
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Communication with PC by RS232 (standard), USB / RS485 / SNMP / Dry Call (optional)
- Dual-input design, supporting independent bypass
- Digitally controlled charger
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check
- Compact internal layout, miniaturized the complete unit for small footprint

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MODEL			HT4100	HT4150	HT4200
POWER	VA		10000	15000	20000
	KW		10000	15000	20000
INPUT	Rated voltage	3 / 1	380 V/400V/ 415 V		
		1 / 1	208 V/ 220 V/ 230 V/ 240 V (settable via LCD)		
	Voltage range	3 / 1	190 ~305 V (derating 50%) , 305 ~ 500 V (no derating)		
		1 / 1	110 ~160 V (derating 50%) ,160 ~ 300 V (no derating)		
	Rated frequency		50/60 Hz (auto-sense)		
	Frequency range		40 ~ 70 Hz		
	Power factor		0/99		
	Bypass voltage range		- 40% ~ +15% (settable)		
OUTPUT	Rated Voltage		208 V / 220 V/ 230 V/ 240 Vac (settable via LCD)		
	Voltage regulation		± 1%		
	Frequency		Synchronized with utility in mains mode; 50 / 60 HZ		
	Power factor		1		
	Waveform		Sinusoidal		
	Crest factor		3:1		
	Total harmonic distortion (THDv)		≤ 1% (linear load); ≤ 3% (non-linear load)		
	Transfer time		0 ms		
	Overload		105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
BATTERIES	DC voltage		192 / 240 Vdc @ 12V (support 16/20 PCS)		
	Charging current		7A		
	Recharge time		8h		
SYSTEM	Alarms		Utility failure, Low battery, Overload, UPS fault		
	Protections		Short-circuit, overload, overtemperature, low battery , overvoltage, undervoltage and fan		
	Communications		RS232 (standard) / USB,SNMP (optional)		
	Efficiency		≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode		
OTHERS	Humidity temperature		0 ~ 95% RH @ 0 ~ 40°C (non-condensing)		
	IP rating		IP 20		
	Noise level (1m)		≤ 58 dB		
PHYSICAL	Dimensions (WxDxH) (mm)		191 x 459 x 350	191 x 495 x 515	
	Packaged dimensions (WxDxH) (mm)		318 x 617 x 475	285 x 593 x 618	
	Net weight(kg)		18.5	26.5	
	Gross weight(kg)		20	28	