

## Online Double Conversion Transformer Based - 3 / 1 Phase Series HT4000T ( 10 ~ 30 KVA)

### Specifications



- Online Double Conversion, transformer base 3/1 technology with stable and uninterrupted power and complete sine waveform linear and non-linear loads at maximum load consumption
- Suitable for all kinds of loads (resistive, inductive and non-linear loads etc)
- DSP (digital signal processors )control technology Effective software and hardware protection
- Standard configuration with isolation transformer
- Protection: short circuits, high and low voltages, overload, reverse connection of batteries and High charge, etc.
- LCD display to show input and output voltage, load, frequency, inside temperature of the device, battery charge load
- Adjusting the output voltage ,EOD, automatic start, bypass mode and adjusting the frequency and ECO MODE through the LCD display panel
- Select current charging : 2A / 4A / 6A / 8A / 10A / 12A
- Output Power factor of 0.8 & Input power factor 0.99 and Active Power Factor Correction (Apfc)
- Overload capacity up to 105% ~ 125% for 10 min, 125% ~ 150% for 1 min ,150%~200% for 200 ms, UP to 200%for 100 ms
- 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
- Connecting to Parallel card
- Communication with PC by RS232 (standard), USB / RS485 / SNMP / Dry Call (optional)
- Adjusting the output frequency at 50 and 60 Hz and having Auto frequency Sensing
- Cold Start and automatic start-up after connecting the city electricity and having settable delay
- Shut down automatically in emergency time (EPO)

# UPS Online Double Conversion Transformer Based - 3 / 1 Phase Series HT4000T ( 10 ~ 30 KVA)

MODEL		HT4100T	HT4150T	HT4200T	HT4300T
POWER	VA	10000	15000	20000	30000
	W	8000	12000	16000	24000
INPUT	Rated voltage	380/ 400/415 V			
	Voltage range	± 25%			
	Rated frequency	50 / 60 Hz			
	Frequency range	40 ~ 70Hz			
	Bypass voltage range	± 5% Hz			
	Voltage rang bypass	25% (settable)			
OUTPUT	voltage	220 / 230 / 240 (1+N+PE)			
	Voltage precision	±1%			
	Frequency	50/60 + 0.1 Hz in battery mode			
	Rated frequency	50 / 60 Hz (settable)			
	Power factor	0.8			
	Crest factor	3:1			
	THDV	≤ 2% (linear load) ≤ 5% (non-linear load)			
	Waveform	Sinusoidal			
	Overload	105% ~ 125% for 10 min , 125% ~ 150% for 1 min ,150%~200% for 200 ms , 200%for 100 ms			
BATTERIES	Dc Voltage	192 Vdc			
	Charging current	Default 8A (2A/4A/6A/8A/10A/12A selectable)			
	Number of battery	12V x 16 pcs			
	Charging voltage	216 Vdc			
	EOD	168 Vdc			
SYSTEM	Protections	Short circuit, overload , overvoltage undervoltage , low battery, over temperature			
	Communications	RS232 / USB (standard) RS485 / SNMP / dry contacts (optional)			
OTHERS	Operaring temperature	0 ~ 40°C			
	Relative humidity	0~95% (non-condensing)			
	altitude	≤1000m (derating 1% for each additional 100 m)			
	IP rating	IP 20			
	Noise level	< 60 dB (at 1m)			
	Transfer time	0 ms			
PHYSICAL	Dimensions (W x D x H) (mm)	315 x 600 x 900	400 x 815 x 1100		
	Packaged dimensions (WxDxH) (mm)	435 x 700 x 1100	525 x 925 x 1305		
	Net weight (kg)	140	210	240	280
	Gross werghi (kg)	153	226	255	295