

UPS Online Double Conversion Transformer Base 3PH / 3PH Series HT5000 T (20-120 KVA)

UPS transformer based three-phase are the standard choice for larger installations with critical loads such as data centers, industrial applications , and medical environments, as well as protecting equipment with motors such as lifts, pumps, and fans. There are two main benefits of a transformer- based ups series HT 5000T Firstly it is generally accepted that they are more robust _here are less points of failure. Secondly, the transformer provides galvanic isolation, a separation of the input and output supplies, which protects the load from any spikes, surges, or electrical noise.

The HT5000T series is available from 20kVA to 120kVA models Model HT5000T monitoring and control data are shown on an easy to understand front panel display with LCD 7 inches touch featuring pushbutton controls , LCD read out for event logs and diagnostics and a mimic diagram for system status. The power protection system can be remotely monitored via RS232, RS485, dry contact or SNMP interface.



Specifications

- Online double conversion three phase mode isolation transformer
- IGBT inverter
- DSP (digital signal processors)control technology Effective software and hardware protection
- Output power factor 0.9
- 100% unbalance load capability
- Ensures galvanic isolation
- Flexible frequency converter (50 or 60 Hz input)
- Filtered, stabilized and regulated sinewave supply
- An adjustable DC voltage device (360V to 384V) with flexible battery solutions
- Internal manual bypass for easy maintenance without power interruption
- Large display panel provides metering, statistics, alarm history and an active mimic screen
- 7 inches LCD touch screen, friendly human & machine interface
- With emergency shutdown (EPO) button interface
- Generator compatible
- N+X redundancy parallel up to 6 units (optional)
- Supports battery start-up without utility power, and automatic restart after utility power returns
- Front-access design (for 60 to 120 kVA models) for simplified maintenance and part replacement
- Standard communication ports: RS232 and RS485.
- Optional SNMP communication interface.

UPS Online Double Conversion Transformer Base 3PH / 3PH Series HT5000 T (20-120 KVA)

MODEL		HT 5200T	HT 5300T	HT 5400T	HT 5600T	HT 5800T	HT 51000T	HT 51200T
POWER	VA	20000	30000	40000	60000	80000	100000	120000
	W	18000	27000	36000	54000	72000	90000	108000
INPUT	Rated voltage	380V / 400V / 415V						
	Voltage range	285~475V						
	Frequency range	50 / 60 Hz \pm 5Hz						
	Power factor	\geq 0.99 @ Full load						
	Rectifier delay start	10s (1 ~ 300 settable)						
	Bypass voltage range	\pm 20 % (settable)						
OUTPUT	Rated voltage	380 V / 400 V / 415 V _ Three phase + N						
	Voltage regulation	\pm 1 %						
	Frequency	50 / 60 Hz \pm 0.1 % in battery mode						
	power factor	0.9						
	Crest factor	3: 1						
	Total harmonic distortion	THDV \leq 1 % (linear load) ; \leq 5 % (non-linear load)						
	Waveform	Sinusoidal						
	Transfer time	0 ms						
	Slight adjustment of inverter output voltage	\pm 5 V						
	Inverter overload capability	105%: long time running _ 105% ~ 110%: transfer to bypass in 1 h _ 110% ~ 125%: transfer to bypass in 10 mins 125% ~ 150%: transfer to bypass in 1 min _ 150% ~ 200%: transfer to bypass in 200 ms _ \geq 200%: transfer to bypass in 100 ms						
BATTERIES	DC Voltage	Lead acid battery: 360Vdc Lithium iron phosphate battery: 384Vdc						
	Number of batteries	Lead acid battery: 12 Vx30pcs (support 28~32pcs) Lead acid battery: 2 Vx180pcs (support 168~192pcs) Lithium iron phosphate battery: 3.2 Vx120pcs (support 112/120pcs)						
	Charging current	Charging rate (settable) \times battery capacity (settable) \times number of battery groups (settable)						
SYSTEM	Smart active efficiency	Line mode \geq 93 % , ECO mode \geq 98 % , battery mode \geq 93 %						
	Parallel numbers	MAX . 6						
	Protections	Short-circuit , overload , overtemperature , overvoltage , undervoltage , battery low voltage and fan failure						
	communications	Standard configuration : RS232 , RS485 , dry contacts , SNMP card (optional)						
	Optional configuration	SNMP card, temperature compensation , SMS alarms						
	Display	7 inches LCD touch screen						
	EMI	EN62040 - 2						
OTHERS	Operating temperature Storage	0 ~ 40°C / - 25°C ~ + 55°C (without battery)						
	Relative humidity	0% ~ 95% (non - condensing)						
	Altitude	\leq 1000 m. Above 1000 m, derating 1% for each additional 100 m						
	IP rating	IP 20						
	Noise level	65 dB						
PHYSICAL	Humidity	0~95% RH @ 0~40°C (non-condensing)						
	Dimensions (WxDxH) (mm)	400 x 800 x 1100			600 x 700 x1500		700 x 800 x 1700	
	Packaged dimensions (WxDxH) (mm)	490 X 900 x 1300			700 x 800 x1650		800 x 900 x 1850	
	Net weight (kg)	175	210	260	460	590	630	690
	Gross weight (kg)	217	252	302	480	620	660	720