



T4T Series 10kVA-50kVA

T4T Series UPS is an online sine wave UPS mainly designed for major equipment used in large-scaled data centers (such as measurement equipment, industrial automation equipment, etc.) with high performance. Its high reliability provides necessary protection on load for the users in finance, communication, traffic, tax, forces, security, power source, education, government and enterprise etc. T4T Series UPS is true double conversion on-line UPS. With IGBT power units, SPWM inverter, intellectual multi modes battery management technique, advanced tech and power management software.

TRUE ONLINE DOUBLE CONVERSION UPS

Output is fully isolated by a transformer, with IGBT power units used to solve problems on the electric system such as lightning strikes, power blackouts, etc.

EMC COMPLIANT

All products are EMC compliant. Testing points include conducting disturbance, radiant disturbance, conducting anti-disturbance, radiant anti-disturbance, power fault, mass pulses, ESD etc. Excellent EMC features make the T4T Series capable of high frequency communication and video & audio broadcasting.

COLD START FUNCTION

Because of special current limiting circuits on the UPS, the user can start the UPS directly on its battery bank without mains being available. The UPS has a more powerful cold starting capability and is able to run on full load.

PERFECT PROTECTION MEASURES

Protection for over output voltage and current, low battery, quick current limit and short-circuit to avoid stoppages caused by the user's incorrect operation.

INTELLIGENT BATTERY MANAGEMENT TECHNOLOGY

Equipped with patented intellectual battery management technique. With professional management design on battery charging or discharging, the user can get high battery reliability and running life. At the same time the intellectual charging module can select the right charging power according to different battery configurations making sure that there is rapid power compensation on the battery bank.

FLEXIBLE NETWORK SUPERVISION

Flexible network supervising ability to realize intellectual monitoring of the UPS. Including close point-to-point communication supervising, middle range communication supervising, and remote network management. Based on these, there are many UPS functions such as real time supervising over running status and features, automatic call, sending e-mail, cell phone text messaging, voice function, remote on/off for the UPS etc.

CURRENT EQUALISATION CONTROL TECHNIQUE

Current equalisation control technique, for N units parallel redundancy or N+1 redundant parallel connection, digitized current equalisation control, reliability and redundancy of the system is higher than traditional parallel systems and field installation and debugging is simple. UPS unit can be switched on or be on line on standby mode, to enable hot maintenance on line of parallel system.





POWERHOUSE

Reliable Power Solutions

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SPECIFICATIONS	ST4100T	ST4150T	ST4200T	ST4300T	ST4400T	ST4500T
Input						
Voltage Range	400VAC (-25%~+25%)					
Frequency Range	50Hz / 60Hz ± 5%					
Phase	Three phases, five wires					
Battery Voltage	16 × 12Vdc = 192Vdc		29 × 12Vdc = 348Vdc			
Output						
Rated Power - kVA/kW	10/7	15/10.5	20/16	30/24	40/32	50/40
Voltage Range	230VAC ± 2%					
Frequency	50Hz ± 1%(battery mode)					
Waveform	THD ≤ 3%(linear load)					
Switch Time	0ms					
Battery Efficiency	≥ 90% (100% linear load)					
Overload Capacity	10min at 105%, 1min at 125%, 0.5s at 150%					
Crest Factor	3:1					
Parallel Equal Current	≤ 5%(only applicable to the parallel models)					
Other						
Parallel Function	Random extending or N+1 redundancy parallel connection (only applicable to the parallel models)					
LCD Display	Input voltage, Output voltage, Load capacity, Battery voltage		Input voltage, Frequency, Output voltage, Battery voltage, Load, DC current etc.			
LED Display	Operation status					
Alarm Function	Mains supply abnormal, Low battery, Overload		Overload, AC input abnormal, Low battery, Failure, Over-temperature			
Communication Function	RS232/RS485, dry connection communication signal					
Protection Function	Low battery, Overload, Overheat, Output short circuit, Output over voltage					
Audible Noise	< 60dBA @ 1m					
Working Temperature, Relative Humidity	0°C-40°C, 0-95% (no condensation)					
Dimension (W x D x H) (mm)	740 x 300 x 700	800 x 400 x 1180				
Weight (kg)	135	160	205	225	280	305

All information contained in this brochure is purely indicative and can not be used to form any contractual obligations. Specification or design can be changed at anytime without prior notice.

STAR

T4T SERIES

20kVA - 50kVA



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SNMP CARDS

- Internal units to be used with UPS's equipped with an intelligent slot
- External units to be used with UPS's already equipped with RS232 communications
- Web server interface
- Linux, MAC and Windows compatible
- Remotely control UPS's
- Battery management features for UPS's being monitored
- SMS and Email capable for several UPS alarms and statuses
- Shut down multiple PC's and/or servers during a power outage



GSM INTERFACE CARD

- Easy setup with any terminal
- Emulator software
- Flexible messages
- Dedicated standalone operation
- 10 SMS alarm recipients
- No need to use a PC



REMOTE ALARMS PANEL FOR UPS

- LED Indications for Mains Present, Mains Fail, Low Battery and UPS on Bypass
- To be used with UPS's equipped with potential free alarm contacts
- Audible alarm
- Alarm can be cancelled with a push button



BATTERY CABINETS

- Used for all battery types
- In 7 different sizes, selection matrix below for battery size and cabinet sizing requirements



No. of Batteries	7.2Ah	8Ah	9Ah	12Ah	17Ah	20Ah	24Ah	28Ah	33Ah	45Ah	75Ah	100Ah
A1	6	6	6	4	4	4	2	3	2	2	1	1
A2	12	12	12	8	8	8	4	6	4	4	2	2
A4	24	24	24	16	20	20	8	12	12	8	4	4
A8	60	60	60	40	40	40	16	24	24	16	12	8
A12	90	90	90	60	60	60	24	36	36	24	18	12
A20	150	150	150	100	100	100	40	60	60	40	30	20
A35	270	270	270	180	180	180	80	110	105	70	50	35