

- SUPPORTS ALL KINDS OF LOAD, HIGH OVERLOAD CAPABILITY

- FULLY DIGITALLY CONTROLLED WITH THREE DSP'S FOR IGBT RECTIFIER, INVERTER AND BATTERY CHARGER

- DIGITAL CIRCULATING CURRENT CONTROL TECHNOLOGY, INCREASING PARALLEL RELIABILITY

- GREEN POWER TECHNOLOGY, HIGH INPUT POWER FACTOR, LOW CURRENT THD, HIGH EFFICIENCY

- INTELLIGENT SELF-DIAGNOSE FUNCTION, ALL KINDS OF FAULT PROTECTION, LARGE EVENT LOG CAPABILITY

- REDUNDANT DESIGN OF POWER MODEL FANS, INCREASING SYSTEM RELIABILITY

- HIGH MTBF (MEAN TIME BETWEEN FAILURES) (>200,000 HOURS), LOW MTRR (MEAN TIME TO REPAIR) (<0.5 HOURS)

T6I SERIES (10kVA-120kVA)

ST6I (10kVA-400kVA) features true on line double conversion and zero sec. transfer time. The features include full digital control with DSP's for IGBT rectifier, inverter and battery charger.

COLD START FUNCTION

Due to a special current limiting circuit on the UPS, the user can start the UPS directly from the battery bank connected for emergency situations in a no mains situation. The UPS can run on cold start on full load.

FULL FUNCTION LCD DISPLAY

All ST6I series products above 40kVA are equipped with a large touch screen LCD display. Units below 40kVA have an LCD display with keyboard input. They also feature real time surveillance on UPS running parameters and status, FE and daily maintenance.

The ST6I features an Intelligent battery management system while batteries are being charged and discharged for longer operational life and higher reliability of the batteries.

FLEXIBLE NET PROJECT MONITORING

Independent digital remote control, supported by RS485, with a range of 1000 meters or SNMP network adapter.

ADVANCED NON-MASTER-SLAVE SELF-ADAPTIVE CONTROL TECHNOLOGY (PARALLEL TYPE)

ST6I series parallel UPS features a powerful parallel capacity. There is no need to set the parallel units. The user can extend the parallel capacity as needed for N+1 parallel redundancy. This increases the reliability of the power system.



STAR
T6I SERIES
10kVA -120kVA

Model	ST6010I	ST6015I	ST6020I	ST6030I	ST6040I	ST6060I	ST6080I	ST6100I	ST6120I	
Input										
Voltage	380/400/415VAC (Line to Line), 50/60Hz									
Input Connection	3Ph+N+PE									
Power Factor	>0.99									
Input Voltage Window	+25% ~ -20%									
	-20% ~ -40%, power derating between 100% to 70%									
Frequency Window	40-70Hz									
Battery										
Battery Voltage	±240Vdc									
Charge Power	20%*Power									
Charge Precision	1%									
Output										
Voltage Precision	1% (balanced load), 1.5% (unbalanced load)									
Output Voltage Transient	5% (0-100% load step)									
Voltage THD	THD < 1% (linear load), THD < 5% (non-linear load)									
Power Factor	0.9									
Frequency Tracking Range	50/60Hz ± 3Hz, adjustable									
Frequency Precision	±0.02%									
Crest Factor	3:1									
Overload Capability	102% continuous, 110% for 1 hour, 125% for 10mins, 150% for 1 min, > 150% for 200ms									
Bypass Overload	125% continuous, 130% for 1 hour, 150% for 6 mins, > 1000% for 100ms									
System										
Efficiency	Normal Mode: 95%, ECO Mode: 99%									
Battery Configuration	12V, 40 PCS (36-44PCS acceptable)									
Display	LCD, LED + Keyboard				LCD, LED, Touch Screen and Keyboard					
EMI	IEC62040-2									
EMS	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge)									
IP Class	IP 20									
Communication	RS232, RS485, Dry Contacts, SNMP, EPO, Generator Interface									
Operating Temperature	0-40°C									
Relative Humidity	0-90% (non-condensing)									
Noise	<55dB									
Weight (with battery, w/o battery)	68kg, 46kg		80kg, 60kg	182kg	204kg	226kg	270kg	292kg		
Dimensions (W x D x H, mm)	540 x 690 x 1100			600 x 900 x 1400			600 x 900 x 1700			

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