

TL Series



► CONTROL PANEL

Features

- High frequency and double conversion online technology
- Fully digitized microprocessor control
- Wide Input voltage range
- Highly Efficient up to 91%
- High input power factor 0.99
- LCD Display
- Cold Start
- IGBT both Inverter & Rectifier stage
- Advanced battery charge in UPS OFF mode
- Short circuit & overload protection
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot
- High reliability digital control
- Full protection function

Application :

Server and Other Networking Equipments
Digital printers
Medical equipments
Laboratory equipments

► REAR PANEL



Technical Specifications :



MODEL	TL1101L3	TL1101B3	TL1102L8	TL1102B8	TL1103L8	TL1103B8
Capacity (VA)	1000		2000		3000	
INPUT						
Nominal Voltage			220 / 230 / 240VAC			
Operating Voltage Range		110-300 VAC (Based on load at 50%), 160-280VAC (based on load at 100%)				
Operating Frequency Range			46~54Hz±0.5Hz or 56~64Hz±0.5Hz (auto sensing)			
Power Factor			>0.99			
OUTPUT						
Output Voltage / Power Factor			220 / 230 / 240VAC±1% / 0.9 Std.			
Output Frequency		Synchronized with the utility on AC mode; 50Hz/60Hz 0.2% on Battery mode				
Harmonic distortion (THDv)			<2% (Linear load), <5% (Non Linear Load)			
Crest Factor			3:1 (max)			
Efficiency			>91%			
BATTERY						
DC Voltage	36Vdc			96Vdc		
Battery Type & Number	12V / 7Ahx3		12V / 7Ahx8		12V / 7Ahx8	
Backup Time (50% load)	12 min		19 min		16 min	
Backup Time (Full Load)	5 min		8 min		5 min	
Charge Current (Standard unit)			1A			
Charge Current (Long run unit)	6A		6A		6A	
Typical recharge time			8 hours (to 90% of full capacity)			
SYSTEM FEATURES						
LCD Indication	1). Input voltage / frequency, battery voltage, output voltage / frequency, load watt/VA and percent, inverter temperature. 2). Operation mode such as "online", "on batt", or "on bypass"					
LED Indication	1). Green LED for normal operation 2). Yellow LED for warning condition 3). Red LED for abnormal operation 4). Amber LED for normal battery mode					
Overload Capability	1). >110%, 30s turn to bypass mode; 2). >150%, 300ms turn to bypass mode					
Transfer Time	Between AC Mode and Battery Mode - 0 ms Between AC Mode and Bypass Mode : 4ms (typical value 2.5ms)					
Communication Interface	RS232; SNMP (Optional)					
ENVIRONMENTAL						
Operating Temperature	0 ~ 40°C					
Storage Temperature	-25 ~ 55°C					
Humidity Range	0% ~ 95% (non-condensing)					
Altitude	<1500m					
Noise Level	<45dB					
PHYSICAL						
Dimension W x D x H (mm)	144 x 421 x 215		191 x 478 x 339		191 x 478 x 339	
Packing W x D x H (mm)	258 x 524 x 334		332 x 603 x 482		332 x 603 x 482	
Net / Shipping Weight (kg) (Standard unit)	14 / 16		33 / 35		34 / 36	
Net / Shipping Weight (kg) (Long run unit)	7.5 / 9		14 / 16		15 / 17	
STANDARDS						
Safety	IEC / EN62040-1; IEC/En60950-1					
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8					

Specifications are subject to change without prior notice.

Marketed By :

**SAPTARENU TECHNOLOGIES
INDIA PRIVATE LIMITED**

Email : saptarenutech@yojan.co.in
www.yojan.co.in

Authorised Partner :