

T-3101 (LINE-INTERACTIVE) SINGLE PHASE - 1 to 3 kVA



SMART CPU CONTROL TECHNOLOGY

FEATURES

- **Wide Input Voltage Range**
Allows the UPS to work in harsh environments and reduces battery discharging time.
- **Multi-Level AVR Function**
Automatic voltage regulator (AVR) delivers stable output voltage during brownouts or over-voltages.
- **Advanced MCU Control**
Adapts advanced MCU control to keep system fast and reliable.
- **Protection Against Damages**
This series adapts sensitive peak current protection circuit to protect the system from damages due to short-circuit, cold load impacts.

LINE-INTERACTIVE PURE SINE WAVE UPS WITH BUILT-IN BATTERIES

T-3101 SINGLE PHASE

The i-power T-3101 series is a CPU controlled intelligent single phase line-interactive UPS system. It has built-in multi-level AVR function, and full bridge inverter output design. Thus it is a highly reliable and cost-effective choice for small and medium application users which offers protection for PCs, monitors, POS, and other sensitive electronics used in offices and businesses.

- GUARANTEEING A STABLE AC MAINS VOLTAGE

It is a versatile, high quality, and cost-competitive UPS developed to handle a wide voltage range and inconsistent power conditions. The T-3101 series provides a safe power supply guaranteed for mission-critical applications such as computer equipment, telecommunication devices, precision instrument, network termination equipment, and more.

- **Smart CPU Control Technology**
Adapts smart CPU control technology to control all UPS processes to increase system reliability.
- **Tested and Verified**
All devices are fully tested and verified for maximum performance.

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SINGLE PHASE - 1 to 3 kVA

TECHNICAL SPECIFICATION

Model	LL1001T70207S	LL1002T70407S	LL1003T70607S
Capacity	1KVA / 0.7KW	2KVA / 1.4KW	3KVA / 2.1KW
UPS Structure	Line-Interactive UPS		
Overall Efficiency (AC-AC)	>83%		>85%
Noise (In 2 metres)	<50dB		
Working Temperature	0°C to 40°C		
Storage Temperature	-15°C to 60°C (Without Batteries)		
Humidity	<95% Non-Condensing		
Safety Standard	GB/T14715, EN62040-1		
Protections	Overload, Short-Circuit, Over Temperature, Utility Power Voltage High/Low, BAT Voltage High/Low		
DC Start	Available		
Generator Compatibility	Available		
Display	LCD/LED		
Alarm	Auto		
Mute	Auto		

RECTIFIER SPECIFICATION

Input Voltage Range	145Vac to 275Vac±5%, Single Phase
Input Frequency Range	40Hz to 70Hz, Self-Auto Tracking

OUTPUT SPECIFICATION

Output Voltage	220Vac (200/220/230/240Vac), Single Phase
Output Power Factor	0.7
Output Voltage Regulation	220Vac±10%
Output Frequency (Online Mode)	220Vac±1%
Output Frequency (BAT Mode)	50Hz±0.25%
Output Waveform	Pure Sine Wave
Distortion	<3% (Linear Load), <6% (100% Non-Linear Load)
Overload	>105-110% for 1 Minute; >110-130% for 30 Seconds; >130% Immediately Shutdown
Crest Ratio	3:1
Transfer Time	4ms
Short-Circuit	Circuit Auto Protection, Output Voltage/Current 0
Output Abnormal	INV Output Auto-Locked Protection
Noise Suppression	EMI/RFI Wave Filter
BAT Low	Shutdown Protection
Auto-Restart	Available
Software Control	Available

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BATTERY SPECIFICATION

Model	LL1001T70207S	LL1002T70407S	LL1003T70607S
Capacity	1KVA / 0.7KW	2KVA / 1.4KW	3KVA / 2.1KW
Type	Sealed Lead Acid Maintenance Free		
VDC - Ah Rating	24Vdc - 7Ah	48Vdc - 7Ah	72Vdc - 7Ah
Std. Model Charging Current	1A	1A	1A

COMMUNICATION SPECIFICATION

Standard Communication Port	Rs232
Optional	SNMP/RS485/Dry Contact
Remote Software	Multi-functional Monitoring System, Online and BAT Mode Status, BAT Fault, Remote Control

PHYSICAL CHARACTERISTICS

Dimensions (DxWxH) mm	360 x147 x220	440 x192 x340	440 x192 x340
Net Weight (Kg)	11.9	22	28

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