

T-4101 (TRANSFORMER BASED) SINGLE PHASE - 1 to 15 kVA



BUILT-IN OUTPUT ISOLATION TRANSFORMER

FEATURES

- **Wide Input Voltage Range**
Single Phase 160Vac to 280Vac.
- **High Efficiency**
98% under ECO Mode.
- **Intelligent Charging Design**
Battery low/over charged sensor to protect the charger.
- **Output Voltage Regulation**
220Vac \pm 1% (Static)
220Vac \pm 2% (50% to 0% Sudden Change).
- **High Performance**
Advanced SCR rectifier and IGBT inverter technology.

ONLINE DOUBLE CONVERSION PURE SINE WAVE LOW FREQUENCY WITHOUT BATTERIES

T-4101 SINGLE PHASE

The i-power T-4101 series is a true online double-conversion UPS that can provide your critical equipment with reliable and stable sine wave power. It features significant advantages, including an output power factor of 0.8 and up to 98% AC-AC efficiency for greater energy savings.

- 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-4101 series provides a safe power supply guaranteed for mission-critical applications such as computer equipment, telecommunication devices, precision instrument, network termination equipment, and more.

- **High Overload Handling Ability**
Surge current protection technology to manage sudden impact of 0% to 100% load immediately without transfer to bypass.
- **Ventilation Design**
Front to rear ventilation design to reduce the MTTR rate of the UPS.
- **Tested and Verified**
All devices are fully tested and verified for maximum performance.

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TECHNICAL SPECIFICATION

Model	OL1001T80600S	OL1002T80600S	OL1003T80800S	OL1006T81600S OL1006T80800S	OL1008T81600S	OL1010T81600S	OL1015T81600S
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	8KVA / 6.4KW	10KVA / 8KW	15KVA / 12KW
UPS Structure	Online Double Conversion						
Topology	Low Frequency with Output Isolation Transformer						
Overall Efficiency	>85%						
Noise (In 2 metres)	<50dB						
Working Temperature	-10°C to 40°C						
Storage Temperature	-25°C to 60°C (Without Batteries)						
Humidity	<95% Non-Condensing						
Safety Standard	IEC62040						
Parallel Redundancy	Available						
Protections	Overload, Short-Circuit, Over Temperature, Utility Power Voltage High/Low, BAT Voltage High/Low						
DC Start	Available						
Generator Compatibility	Available						
Display	LCD						
IP Rating	IP20						
Cooling System	Intelligent Speed Control Cooling Fan						
Elevation	<1000M, Without Derating						

RECTIFIER SPECIFICATION

Input Voltage	200/220/230/240Vac Single Phase
Input Voltage Range	160Vac to 280Vac
Input Frequency Range	50Hz±5%
Soft-Start	>20 Seconds

OUTPUT SPECIFICATION

Output Voltage	200/220/230/240Vac	
Output Power Factor	0.8	
Output Volt. Regulation	220Vac±1% (Static Load), 220Vac±2% (50 to 0% Sudden Change)	
Output Frequency	50Hz±0.1% (BAT Mode)	
Distortion	<1% (Linear Full Load), < 3% (Non-Linear Full Load)	
Freq Tracking Range	46Hz to 54Hz	
Output Waveform	Pure Sine Wave	
Overload	>125%: More than 1 Min; >150%: More than 300ms	>125%: More than 10 Mins; >150%: More than 1 Min
Noise Suppression	EMI/RFI Wave Filter	
Crest Ratio	3:1	
Short-Circuit	Circuit Auto Protection, Output Voltage/Current 0	
Output Abnormal	INV. Output Auto-Locked Protection	

BYPASS SPECIFICATION

Static Bypass Transfer Time	0ms	
Static Bypass Range	220Vac (-15% to +15%)	
Frequency Range	±1Hz, ±2Hz, ±3Hz Adjustable	
Bypass INV Transfer Time	2ms	
Frequency Tracking Speed	0.5Hz to 2Hz/s	
Manual Maintenance Bypass	None	Available

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ALARM SPECIFICATION

Alarm	Utility Power Fault, BAT Voltage Low, Overload, UPS Fault
Mute	Auto

BATTERY SPECIFICATION

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Type	Sealed Lead Acid Maintenance Free						
VDC	72Vdc	72Vdc	96Vdc	192Vdc / 96Vdc	192Vdc	192Vdc	192Vdc
Charging Current	5A - Standard, 10A - Optional						
BAT Low	Shutdown Protection						

COMMUNICATION SPECIFICATION

Std. 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 (WxDxH) mm	220x510x395			220x610x475		220x610x715	
Net Weight (Kg)	22.5	23.5	29	44	53	63	70

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