T-4111 (TRANSFORMER BASED) SINGLE PHASE - (RACK MOUNTABLE) 1 to 10 kVA



BUILT-IN OUTPUT ISOLATION TRANSFORMER

Technology You Can Rely On

FEATURES

- Wide Input Voltage Range 160-280Vac
- High Efficiency 85% for low running costs.
- Intelligent Charging Design Battery low/over charged sensor to protect the charger.
- Output Voltage Regulation 220Vac±1% (Static) 220Vac±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

The i-power T-4111 series is a true online double-conversion rackmount UPS that can provide your critcal equipment with reliable and stable sine wave power. It features significant advantages, including an output power factor of 0.8 and up to 85% 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-4111 series provides a safe power supply guaranteed for mission-critical applications such as computer equipment, telecommunication devices, precision instrument, network termination equipment, and more.

T-4111 SINGLE PHASE

- 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.

T-4111 (TRANSFORMER BASED) SINGLE PHASE - 1 to 10 kVA



TECHNICAL SPECIFICATION

Model	OL1001R80600S	OL1002R80600S	OL1003R80800S	OL1006R81600S OL1006R80800S	OL1008R81600S	OL1010R81600S
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	8KVA / 6.4KW	10KVA / 8KW
UPS Structure	Online Double Conversion					
Topology	Low Frequency with Output Isolation Transformer					
Overall Efficiency (AC-AC)	>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	<1000, 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 Voltage 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)		
Frequency 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	Oms		
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	

ALARM SPECIFICATION

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

BATTERY SPECIFICATION

Model	OL1001R80600S	OL1002R80600S	0110038808005	OL1006R81600S OL1006R80800S	OL1008R81600S	OL1010R81600S
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW	8KVA / 6.4KW	10KVA / 8KW
Туре	Sealed Lead Acid Maintenance Free					
VDC	72Vdc	72Vdc	96Vdc	192Vdc / 96Vdc	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		

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