## T-4101 (TRANSFORMER BASED) SINGLE PHASE - 1 to 6 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±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 WITH BUILT-IN BATTERIES

The i-power T-4101 series is a true online double-conversion 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 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.

## T-4101 SINGLE PHASE

#### - High Overload Handling Ability

Surge current protection technology to manage sudden impact of 0% to 100% load immediately without transfer to bypass.

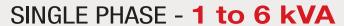
#### - Ventilation Design

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-4101 (TRANSFORMER BASED)





#### **TECHNICAL SPECIFICATION**

Model	OL1001T80607S	OL1002T80607S	OL1003T80807S	OL1006T81607S
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW
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 Temp, Utility Power Voltage High/Low, BAT Voltage High/Low			
DC Start	Available			
Generator Compatibility	Available			
Display	LCD			
Mute	Auto			
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 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		
Noise Suppression	EMI/RFI Wave Filter		
Crest Ratio	3:1		
Short-Circuit	Circuit Auto Protection Output Voltage/Current		
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

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#### **ALARM SPECIFICATION**

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

#### **BATTERY SPECIFICATION**

Model	OL1001T80607S	OL1002T80607S	OL1003T80807S	OL1006T81607S
Capacity	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW	6KVA / 4.8KW
Туре	Sealed Lead Acid Maintenance Free			
VDC - Ah Rating	72Vdc - 7Ah	72Vdc - 7Ah	96Vdc - 7Ah	192Vdc - 7Ah
Charging Current	1A	1A	1A	1A
BAT Low	Shutdown Protection			

#### 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 (W×D×H) mm	220×510×395			220×610×635
Net Weight (Kg)	37.5	38.5	49	84

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