

T-4102 (TRANSFORMER BASED)

3-PHASE IN/1-PHASE OUT - **6 to 30 kVA**



BUILT-IN OUTPUT ISOLATION TRANSFORMER

FEATURES

- **Wide Input Voltage Range**
3 Phase-In/1 Phase-out 380Vac $\pm 25\%$
- **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-4102

3-PHASE IN/1-PHASE OUT

The i-power T-4102 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-4102 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	OL2006T83200S	OL2010T83200S	OL2015T83200S	OL2020T83200S	OL2030T83200S
Capacity	6KVA / 4.8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW
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				
Mute	Auto				
IP Rating	IP20				
Cooling System	Intelligent Speed Control Cooling Fan				
Elevation	<1000M, Without Derating				

RECTIFIER SPECIFICATION

Input Voltage	380Vac±25% 3 Phase
Input Voltage Range	285Vac to 475Vac
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% (Battery 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 0
Output Abnormal	INV. Output Auto-Locked Protection

ALARM SPECIFICATION

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

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BYPASS SPECIFICATION

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

BATTERY SPECIFICATION

Model	OL2006T83200S	OL2010T83200S	OL2015T83200S	OL2020T83200S	OL2030T83200S
Capacity	6KVA / 4.8KW	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW
Type	Sealed Lead Acid Maintenance Free				
VDC - Ah Rating	336Vdc to 384Vdc				
Charging Current	5-10A (Adjustable)				
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	220×610×715		310×670×820		
Net Weight (Kg)	67	74	99	117	125