# 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 ±25%
- 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 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 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-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
Туре	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 (W×D×H) mm	220×610×715		310×670×820		
Net Weight (Kg)	67	74	99	117	125

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