T-4012 (TRANSFORMER LESS)

3-PHASE IN/1-PHASE OUT - (RACK MOUNTABLE) 10 to 20 kVA







LATEST HF SWITCHING POWER SUPPLY RECTIFIER & PFC TECHNOLOGY

FEATURES

- Wide Input Voltage Range
 Avoids unnecessary battery usage and extends battery life.
- IGBT Technology
 IGBT technology to achieve high overall efficiency up to 90%.
- High Input Power Factor
 High input power factor (0.99) and low harmonic distortion (THDI 5%) saves upstream investment.
- Generator Compatibility
 Can be connected with all kinds of generators to save customers costs.

ONLINE DOUBLE CONVERSION PURE SINE WAVE HIGH FREQUENCY WITHOUT BATTERIES

T-4012

3-PHASE IN/1-PHASE OUT

The i-power T-4012 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 up to 0.9 and up to 90% 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, providing high efficiency and adaptivity to all kinds of environments. The T-4012 series provides a safe power supply guaranteed for mission-critical applications such as computer equipment, telecommunication devices, precision equipment instrument, network termination equipment, and more.

- Online Double Conversion

True online double-conversion topology and zero transfer time to battery provides 24/7 full-time protection

- Intelligent Battery Management

Intelligent battery management sustains battery life and performance.

- Tested and Verified

All devices are fully tested and verified for maximum performance.

T-4012 (TRANSFORMER LESS)



3-PHASE IN/1-PHASE OUT - (RACK MOUNTABLE) 10 to 20 kVA

TECHNICAL SPECIFICATION

Model	OH2010C81600S	OH2015C81600S	OH2020C81600S
Capacity	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
Model	OH2010C92000S	OH2015C92000S	OH2020C92000S
Capacity	10KVA / 9KW	15KVA / 13.5KW	20KVA / 18KW
UPS Structure	Online Double Conversion - Tower Type		
Topology	High Frequency, Transformer Less		
Overall Efficiency (AC-AC)	>90%		
Noise (In 2 metres)	<50dB		
Working Temperature	0°C to 40°C		
Storage Temperature	-15°C to 60°C (Without Batteries)		
Humidity	<95% Non-Condensing		
Safety Standard	GB/T14715, EN62040-1		
EMC Standard	EN 50091-1/2, EN62040-2		
Protections	Overload, Short-Circuit, Over Temperature, Utility Power Voltage High/Low, BAT Voltage High/Low		
Generator Compatibility	Available		
DC Start	Available		
Manual Maintenance Bypass	Optional		
Display	LCD/LED		
Alarm	Auto		
Mute	Auto		
Mato	Auto		

RECTIFIER SPECIFICATION

Input Voltage Range	304Vac to 478Vac
Input Frequency Range	45Hz to 65Hz (Auto Tracking)
Input Power Factor	0.99
THDI	<5%

OUTPUT SPECIFICATION

Outrout Voltage	0001/		
Output Voltage	220Vac		
Output Power Factor	0.8/0.9		
Output Voltage Regulation	220Vac±1% (Static Load); 220Vac±2% (50-0% Sudden Change);		
Output Voltage Regulation	220Vac±3% (100-0% Sudden Change)		
Output Frequency (BAT Mode)	50Hz±0.2%		
Output Waveform	Pure Sine Wave		
Distortion	<1% (Linear Full Load), <3% (100% Non-Linear Load)		
Overload	>120% More than 1 Minute; >150%: 300ms Transfer to Bypass		
Crest Ratio	3:1		
Efficiency	>90%		
Short-Circuit	Circuit Auto Protection, Output Voltage/Current 0		
Output Abnormal	INV Output Auto-Locked Protection		
Noise Suppression	EMI/RFI Wave Filter		
BAT Low	Shutdown Protection		
Dynamic Response	3% at Full Load, Recovering in 20ms		
Auto-Restart	Available		
Software Control	Available		

T-4012 (TRANSFORMER LESS)



3-PHASE IN/1-PHASE OUT - (RACK MOUNTABLE) 10 to 20 kVA

BYPASS SPECIFICATION

Static Bypass Transfer Time	0ms
Static Bypass Range	80Vac±5% to 285Vac±5%
Bypass - INV Transfer Time	2ms

BATTERY SPECIFICATION

Model	OH2010C81600S	OH2015C81600S	OH2020C81600S
Capacity	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW
Model	OH2010C92000S	OH2015C92000S	OH2020C92000S
Capacity	10KVA / 9KW	15KVA / 13.5KW	20KVA / 18KW
Туре	Sealed Lead Acid Maintenance Free		
VDC	192/240 Vdc		
Charging Current	5Amp		

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 (D×W×H) mm	700×430×88/2U	800×430×178/4U	
Net Weight (Kg)	25	35	35

This datasheet and its contents (the "information") belong to Interconnect Solutions Limited (the "company") or are licensed to it. No license is granted for the use of it other than for information purposes in connection with the products to which it relates. No license of any intellectual property rights is granted. The information is subject to change without notice and replaces all data previously supplied. The information supplied is believed to be accurate but the Company assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this datasheet should check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the information or use of it (including liability resulting from negligence or where the Company was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Company's liability for death or personal injury resulting from its negligence. i-power is the registered trademarks of the Company. © Interconnect Solutions Limited 2020.