

19 INCH RACK-MOUNT

HOT PLUGGING & REDUNDANCY PARALLEL INVERTER

The pure sine wave POWER-2000 Series inverters are PI new expand customize inverter. This Series is a professional 19" rack enclosure with a wide range of options to suit applications.

Description

The redundant Parallel Connection inverter is an inversion device that Converts 125Vdc Power



125/380-18KVA

Supplied by DC Power Supply into 380Vac 50Hz Sinusoidal AC Power. it is Designed with Complete Isolation of input and Allows Hot Plugging and Parallel Connection redundancy. it is a product specially designed for users with high requirements for power supply reliability and maintainability

Feature

Digital Control

Use 32 Bit DSP Digital and high frequency SPWM Technology, it is Characterized by Strong Anti-interference ability , high operational Speed, high Intelligence , high Controller precision and high quality of output waveform.

N+1 Parallel Connection redundancy design

It Can Form an N+1 Parallel Connection redundancy power supply system, in which the modules are backed up with each other, leading to high reliability and flexible configuration.

Parallel Connection Technology Without Master /Slave Definition

Operation and Parallel Connection of Each module are independent controlled by the built in DSP, so that there is no single point failure and the current is automatically and equally distributed among the modules.

Allowing Hot Plugging

It Allow "Plug- And Play "without Any Parameter Setting or operation, and the Module Automatically enters into normal working state, Leading to Simple and Convenient maintenance and change.

Built in Bypass

User May Chose inverter priority or bypass Priority.

Monitoring Management

The Indicator Lamp Panel Can give Out Sound and Light Alarm upon Fault, and Rs485 Communication and Fault Dry Contact Are Provided

Protection Function

It has Protection against input Over voltage /Under Voltage, output Over voltage/under Voltage, Over Temperature and Short Circuit

Product Form	Rated Power	18KVA(6KVA Inverter Module*3)
	Dimension	19" 6 RU
		W482*H88*D390mm *3
Input Parameters	DC Input	125Vdc
	DC Input Range	93—143vdc
	Bypass Input Range	170~270VAC
	Bypass Switchover time	6~8ms
AC Output	Rated Voltage out	380Vac
	Frequency	50Hz
	Load Adjustment Rate	<1%
	Frequency Accuracy	<0.1%
	Factor	3: 1
	PF	Peaking@89%
	Waveform Distortion	Resistive full load <3%, Non Linear Full Load <5%
	Dynamic Response	Voltage Transition Range <3%,Transition Response Recovery time ≤ 60ms(Load From 0~100)
	Current Non- Uniformity under Parallel Connection	<3% Effective Value of Rated Current
	Overload Capacity	Over Load Current<105%, Continuous Operation Over Load Current105~125%, Shutdown after 10 min Over Load Current 125~150%, Shutdown after 1 min Over Load Current>150%, Shutdown in 20ms
	Protection Function	Protection Against Opposite Connection of input, Input Under/over Voltage, Output Overload, Output Short Circuit, And Over Temp.
Communication	Communication Interface	Rs485 & Dry Contact ,SNMP optional
Ambient Environment	Dielectric Strength	2KVA,1 Min
	Noise(1m)	<45dB
	Ambient Temperature For Operation	-10~50℃
	Ambient Temperature For Transport and Storage	-40~70
	Relative Humidity	0~90% ,without Condensation
	Relative altitude (M)	≤ 3000m, At 1500 ~3000 Output Derating 1% for each 100m of Altitude increase
Declaration of Conformity	LVD	EN IEC 62368-1:2020+A11:2020
	EMC	EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019 EN61000-3-3:2013+A12019

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