



Power Inverter Rack Mountable Type

PIR0.3K – PIR4K

Overview

PIR series Power Inverter rack-mount type use digital control design concept with real pure sine wave output; Low frequency design with superior impact resistance capacity, Adjustable AC charging voltage and charging current, free choice of working mode, Particularly suitable for use in areas with poor electrical power.

Technical Features



High frequency switching technology



Multiple protection technology



Green power technology



Battery management technology



Network monitoring technology



CPU1 + N control technology

Advantages

- Arbitrary choice of two working modes
- It can be connected with generator
- Large AC charging current, to meet customer requirements for fast charging
- Adjustable AC charging voltage, to adapt to different types of batteries
- Adjustable AC charging current, to meet the different capacity of the battery
- Reserved DC output and USB charging interface, to adapt to the use of DC load

Working modes

Regular Mode : The system always keeps output. When there is electricity power, the AC charging function is always maintained. If no AC, battery will discharge in inverter mode, and it will not shut down until it reaches low battery voltage. Once the AC recovers, it will auto restart.



Technical Specifications

Model	PIR0.3K	PIR0.5K	PIR1K	PIR1.2K	PIR1.5K	PIR1K-48	PIR2K	PIR3K	PIR4K
Capacity (VA/W)	300	500	1000	1200	1500	1000	2000	3000	4000
UPS Efficiency	>93%								
Noise	48dB~54dB(Distance 1 Meter)								
Dimension(WxDxH mm)	483x420x89					483x420x132			
Weight(Kgs)	7.0	7.2	12.0	12.6	13.9	22.0	26.0	28.0	33.0
INPUT									
Voltage	Single phase with two lines + ground wire, 120Vac/127Vac/220Vac/230Vac/240Vac (-36%, +25%)								
Frequency	50Hz / 60Hz ±2.5Hz (Auto)								
OUTPUT									
Voltage	Single phase with two lines + ground wire, 120Vac/127Vac/220Vac/230Vac/240Vac ± 5%								
Frequency	50Hz / 60Hz±0.5Hz (Auto)								
Instantaneous Power (KW)	0.9	1.5	3.0	3.6	4.5	3.0	6.0	9.0	12.0
Harmonic Distortion	Linear load<3%, Non-linear load<5%								
Overload Capacity	110%≥60s, 120%≥10s								
Crest Factor	3:1								
Wave Form	Pure sine wave								
Transfer Time	4ms / 8ms (Option)								
BATTERY									
Type	Support VRLA Battery								
D.C. Voltage	12Vdc / 24Vdc		24Vdc			24Vdc / 48Vdc			
Charging Current	4A - 20A (Adjustable)					8A - 40A (Adjustable)			
SYSTEM									
Protection	Input over-voltage, under-voltage; output overload, shortcircuit; Inverter over-temperature; Battery under-voltage,over-voltage								
IP Level	Ip20								
Display	LCD + LED								
Software Interface	Windows9x,2000,NT,ME,XP,Linux,Novell,Macosx,NT4.0								
ENVIRONMENT									
Operating Temperature	0°C to 40°C								
Humidity	0~95% (non-condensing)								
Altitude	< =3000m								
Storage Temperature	-15°C to 50°C								
MANAGEMENT									
Communication Interface	Rs232, USB/RS485/SNMP(optional)								

* Note:The descriptions, illustrations and specifications give in the pamphiet are subject to alteration without notice.