

IR Series

Pure Sine Wave Inverter 1KW-6KW

- 30~70A automatic three-stage battery charger
- Copper transformer-low frequency
- Charge current 25%,50%,75%,100% adjustable
- AC/Battery priority optional
- Round corner new cover design



Applicable



Specification

MODEL	1012	1024	2012	2024	3024	3048	4048	5048	6048												
LINE MODE SPECIFICATIONS	Input Voltage Waveform									Sinusoidal (utility or generator)											
	Nominal Input Voltage									230Vac(120VAC selectable)											
	Low Line Disconnect									184Vac±4%											
	Low Line Re-connect									294Vac±4%											
	High Line Disconnect									265Vac±4%											
	High Line Re-connect									255Vac±4%											
	Max AC Input Voltage									270Vrms											
	Nominal Input Frequency									50Hz/ 60Hz(Auto detection)											
	Low Line Frequency Re-connect									58+0.3Hz for 60Hz;48+0.3Hz for 50Hz;											
	Low Line Frequency Disconnect									57+0.3Hz for 60Hz;47+0.3Hz for 50Hz;											
	High Line Frequency Re-connect									64+0.3Hz for 60Hz;54+0.3Hz for 50Hz;											
	High Line Frequency Disconnect									65+0.3Hz for 60Hz;55+0.3Hz for 50Hz;											
	Output Voltage Waveform									As same as Input Waveform											
	Over-Load Protection(SMPSload)									Circuit breaker											
	Output Short Circuit Protection									Circuit breaker											
	Efficiency (Line Mode)									>95%											
	Transfer Switch Rating									30A											
	Transfer Time (Ac to Dc)									10ms (typical)											
	Transfer Time (Dc to Ac)									10ms (typical)											
	Pass Through Without Battery									Yes											
Max Bypass Overload Current									30A												
INVERT MODE SPECIFICATIONS	Output Voltage Waveform									Sine wave											
	Rated Output Power (VA)			1000			2000			3000			4000			5000			6000		
	Rated Output Power (W)			1000			2000			3000			4000			5000			6000		
	Power Factor									0~1.0											
	Nominal Output Voltage (V)									230Vac											
	Nominal Output Frequency (Hz)									50Hz±0.3Hz											
	Auto Tracking Main Frequency(Hz)									Yes (Following Main first connection)50Hz @48-54Hz ;60Hz @58-64Hz											
	Output Voltage Regulation									±10%rms											
	Nominal Efficiency									>80%											
	Over-Load Protection(SMPS load)									(110%<load<125%)±10%:Fault (shutdown output) after 15 minutes;(125%<load<150%)±10%: Fault (shutdown output) after 60s;Load>150%±10%:Fault (shutdown output) after 20s;											
	Surge Rating (10s)			3000VA			6000VA			9000VA			12000VA			15000VA			18000VA		
	Capable Of Starting Electric Motor			1HP			1HP			2HP			3HP								
	Output Short Circuit Protection									Current limit (Fault after 10s)											
	Inverter Breaker Size									10A			30A								
	Nominal DC Input Voltage			12V		24V		12V		24V		24V		48V							
	Min DC Start Voltage									10V/20V/40V											
	Low Battery Alarm									10.5Vdc±0.3Vdc for 12V battery;21.0Vdc±0.6Vdc for 24V battery;42.0Vdc±0.6Vdc for 48V battery											
	Low DC Input Shut-Down									10.0Vdc±0.3Vdc for 12V battery;20.0Vdc±0.6Vdc for 24V battery;40.0Vdc±0.6Vdc for 48V battery											
High DC Input Alarm & Fault									16Vdc±0.3Vdc for 12V battery;32.0Vdc±0.6Vdc for 24V battery;64.0Vdc±0.6Vdc for 48V battery												
High DC Input Recovery									15.5Vdc±0.3Vdc for 12V battery;31.0Vdc±0.6Vdc for 24V battery;62.0Vdc±0.6Vdc for 48V battery												
Power Saver									Load≤25W(Enabled on "P/S auto" setting of Remote control)												
Nominal Input Voltage									230Vac												
Input Voltage Range									196~243Vac												
Nominal Output Voltage									According to the battery type												
Nominal Charge Current			35A		35A		65A		35A		45A		30A		35A		40A		50A		
Charge Current Regulation									±5Adc												
Battery Initial Voltage									0-15.7Vdc/31.4Vdc/62.8Vdc (can operate with OV battery)												
Charger Short Circuit Protection									Circuit breaker												
Over Charge Protection									Bat. V≥15.7Vdc/31.4Vdc/62.8Vdc,beeps 0.5s every 1s & fault after 60s												
Safety Certification									CE												
Safety Certification									FCC												
Operating Temperature Range									0°C to 40°C												
Storage Temperature									15°C below zero to 60°C												
Operation Humidity									5% to 95%												
Audible Noise									60dB max												
Cooling									Forced air,variable speed fan												
Size									590*333*310												
Weight:Net / Gross (kg)			19		22		28		39		45		760*340*320		45						

* Product specifications are subject to change without further notice.