



Pure Sine Wave Inverter ASR-12300/24300/48300/60300



PRODUCT CHARACTERISTICS

With multi-Funtional LCD display and good safety performance,including overtemperature protection,input overvoltage protection,input low voltage protection,output overload protection,output short circuit proection, when Input reverse polarity occur the blown fuse.

High conversion efficiency and start fast, surface surface powder coating treatment, good friction resistance, and can resist a certain external force of extrusion or collision;

With strong load adaptability and stability.

Wide Temperature Range• High Safety•Pure Sine Wave• Flexible Expansion

Features and Advantages



Wide Temperature Range
Range of -5 to 40 °C



Pure Sine Wave
Power 3000W



Expandable
Higher Capacity available



High Safety
With functional protection



Cooling Fan
Instant heat dissipation



Easy to operate
Save time and effort

Technical Parameters

Model		Pure Sine Wave Inverter ASR-12300/24300/48300/60300
OutPut		
Nominal Output Power		3000W
Max Power		3100W
Peak Power		6000W
AC Output Voltage Accuracy		±10V
AC Output Current(220V)		13.6A
WaveForm		pure sine wave
Output Frequency		50Hz/60Hz
Nominal output Voltage		110V/240V
AC Output Over Current(220V)	12V	≥14.1
	24V	≥14.1
	48V	≥14.1
	60V	≥14.1
Max Efficiency	12V	82%
	24V	90%
	48V	90%
	60V	90%
InPut		
Voltage Range	12V	10-15V
	24V	20-30V
	48V	34-54V
	60V	36-72V
DC Input Current	12V	295A
	24V	137.5A
	48V	68.75A
	60V	55A
No load Current Draws	12V	<0.5A
	24V	<0.3A
	48V	<0.12A
	60V	<0.12A
Power Consumption	12V	≤6W
	24V	≤5W
	48V	≤5W
	60V	≤5W
Protection Function		
Input reverse polarity protection		integrated//blown fuse
Short Circuit Protection		integrated//blown fuse
power protection		≥3200W
over temperature		integrated (cooling fin 85℃)
malfunction alert		buzzer integrated
over voltage protection	12V	15V ±0.3V
	24V	30V ± 0.3V
	48V	60V ± 0.3V
	60V	75V ± 0.3V
low voltage protection	12V	10V ± 0.3V
	24V	20V ± 0.3V
	48V	40V ± 0.3V
	60V	50V ± 0.3V

Automatic Recovery		
over voltage	12V	14V ±0.5V
	24V	28V ± 0.5V
	48V	56V ± 0.5V
	60V	70V ± 0.5V
low voltage	12V	12.6V ± 0.5V
	24V	25V ± 0.5V
	48V	51V ± 0.5V
	60V	65V ± 0.5V
Display&Interface		
LCD Display	input voltage/output voltage/frequency/power	
LCD Display the malfunction code	overvoltage(F1) Lowvoltage(F2) overheat(F3) overload(F4) Short Circuit(F5)	
USB Port	Type-C; QC3.0; 5V2.1A	
General Date		
Operating Temperature Range	-5℃-40℃	
Relative Humidity	0~90%	
Size (L*W*H)	500*180*93MM	
Weight	5.35kgs	