

SunRay[™]
1500

Pure Sine Wave
Intelligent DC to AC Power Inverter

115V/60Hz Output
12V DC Input

Technical Data Sheet

V11-SR1500-UL-1211560-A



Technical Specifications

Model	SUNRAY™ 1500
Function	DC to AC Digital Power Inverter
DC Input Voltage	12V
Input Voltage Range (DC)	11-15 Volts
Output Voltage (AC)	115V ± 10%
Output Frequency	60 Hz
AC Output Wave Form	Pure Sine Wave
THD	< 5%
Continuous Output	1500 Watts
Surge/Peak Power	3000 Watts
Full Load Efficiency	≥ 90%

Protection

High Input Voltage Protection	>15 V DC
High Input Protection Action	Automatic System Shut Off (Manual Recovery)
Low Input Voltage Alarm	10.5 ± 0.5 V
Low Input Voltage Protection	10.0 ± 0.5 V
Low Input Protection Action	Automatic System Shut Off (Manual Recovery)
AC Short Circuit Protection	Automatic System Shut Off (Manual Recovery)
Over Heat Protection	Automatic System Shut Off (Manual Recovery)
Reverse Polarity Protection	Spade Fuses

Cooling System

Heat Exchange	Extruded Aluminum and Ruffled Heat Transfer Fins
Fan System	Three (3) Rear Automatic Thermostatic High Air-Flow

Features

Receptacles/Sockets	<ul style="list-style-type: none"> ▪ 3 x 115V 15 Amp Three (3) Prong Sockets ▪ USB 5V Socket ▪ Remote Starter Port ▪ Remote Ready (Remote Starter Optional)
LED Displays	<ul style="list-style-type: none"> ▪ LED Display Bar of Output (Watts) ▪ LED Display Bar of Input Battery Voltage ▪ Single LED On/Off Indicator

Construction

Extruded Anodized Aluminum + Ruffled Heat Transfer Fins

Weight and Dimensions

Net Weight	9 lbs (4.1 Kg)	
Dimensions	Length	13 in (330 mm)
	Width	9 ¾ in (250 mm)
	Height	3 ¾ in (95 mm)

Environmental Specifications

Working Temperature	32° F to 140° F (0° C to +40° C)
Working Humidity	10% ~ 90% RH non-condensing

Safety and Certification

ETL Listed (Complies with UL 458 Standard), CE