

RAMSOND[®]
sensible solutions

SunRay[™]
3000

Pure Sine Wave
Intelligent DC to AC Power Inverter

115V/60Hz Output
12V and 24 DC Input

Technical Data Sheet

V11-388744



*ETL Listing for 12V
Input Models Only

Technical Specifications

Model	SunRay™ 3000	
Function	DC to AC Power Inverter	
DC Input Voltage	12V	24V
AC Output Voltage	115V	115V
Input Voltage Range (DC)	11-15 Volts	21-30 Volts
Output Voltage (AC)	115V ± 10%	
Output Frequency	60 Hz	
AC Output Wave Form	Pure Sine Wave	
THD	< 5%	
Continuous Output	3000 Watts	
Surge/Peak Power	6000 Watts	
Full Load Efficiency	≥ 90%	

Protection

High Input Voltage Protection	>15 V DC	>30 VDC
Protection Action	Automatic System Shut Off (Optional Auto-Recovery)	
Low Input Voltage Alarm	10.5 ± 0.5 V	21.0 ± 1.0 V
Low Input Voltage Protection	10.0 ± 0.5 V	20.0 ± 1.0 V
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	Ruffled Heat Transfer Fins
Fan System	Automatic Thermostatic High Air-Flow

Features

Receptacles/Sockets	<ul style="list-style-type: none"> ▪ 4 x 115V 15 Amp Three (3) Prong Sockets ▪ 1 x Hard-Wire 30 Amp (115V 60Hz) Terminal Block ▪ USB 5V Socket ▪ Remote Starter Port ▪ Remote Ready (Remote Starter Kit Optional)
LED Displays	<ul style="list-style-type: none"> ▪ LED Display Window Output (Watts) & Error Codes ▪ LED Display Window of Input (Battery) Voltage ▪ Single LED On/Off Indicator & Alarm

Construction

Die-Cast Anodized Aluminum + Ruffled Heat Transfer Fins

Weight and Dimensions

Model (Input Voltage)	12V	24V
Net Weight	18 lbs (8.2 Kg)	
Dimensions	Length	15 ¼ in (390 mm)
	Width	9 in (230 mm)
	Height	6 ½ in (165 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 (Certified to UL 458), CE

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