

## 12LP10 SERIES | INVERTER

PURE SINE WAVE OUTPUT

### Introduction

The Dimensions 12LP10 Series Inverter from Sensata Technologies provides pure sine wave power in a compact chassis to help power all of your sensitive electronic loads.



### Features

- GFCI Outlet – Provides 120 VAC output as well as receptacle protection.
- Unit Protection – Provides automatic electronic short circuit/overload protection, automatic over-temperature shutdown, and an AC output circuit breaker.
- Status LED – Provides inverter operation mode and troubleshooting information at a glance.
- Low Battery Protection – Automatically shuts down at 10.5 VDC with in-rush delay. The end user may also select an optional setting of 11.7 VDC.
- Battery Surge Protection – The 12LP10 has an input DC voltage range of 10.5 - 16 volts. The inverter can tolerate up to 24 VDC for five minutes, then will shut down to preserve the system.
- Auto Sleep Mode – Auto sleep mode helps preserve battery life over long periods of no load operation.

### Model Numbers

- 12LP10
- 12LP10H
- 12LP10R



Pure Sine Wave



## SPECIFICATIONS

	12LP10	12LP10H NO GFCI, HARDWIRE ONLY	12LP10R NO INVERTER FRONT PANEL SWITCH
<b>INVERTER SPECIFICATIONS</b>			
<b>Input battery voltage range</b>	10.5 - 16 VDC	10.5 - 16 VDC	10.5 - 16 VDC
<b>Surge voltage</b>	Up to 24 VDC	Up to 24 VDC	Up to 24 VDC
<b>Nominal AC output voltage</b>	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%
<b>Output frequency and accuracy</b>	60 Hz ± 0.5%	60 Hz ± 0.5%	60 Hz ± 0.5%
<b>Total Harmonic Distortion (THD)</b>	< 5%	< 5%	< 5%
<b>Continuous power output (real watts)</b>	1000	1000	1000
<b>Output current</b>	8.3 AAC	8.3 AAC	8.3 AAC
<b>Input current</b>	Up to 110 ADC	Up to 110 ADC	Up to 110 ADC
<b>Peak power</b>	2000 watts	2000 watts	2000 watts
<b>Peak output</b>	23.5 AAC	23.5 AAC	23.5 AAC
<b>Motor starting rating</b>	1/3 hp	1/3 hp	1/3 hp
<b>Inverter efficiency (peak)</b>	82%	82%	82%
<b>Waveform</b>	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
<b>GENERAL FEATURES</b>			
<b>Warranty</b>	Five years		
<b>Listings</b>	UL/cUL 458 Power Inverter, E100666		
<b>PHYSICAL SPECIFICATIONS</b>			
<b>Weight</b>	20 lb (9.1 kg)	20 lb (9.1 kg)	20 lb (9.1 kg)
<b>Dimensions (l x w x h)</b>	17.3" x 9.0" x 3.6" (43.9 cm x 22.9 cm x 9.1 cm)		
<b>Operating temperature</b>	-20° C to +60° C (-4° F to 140° F)		



## GENERAL NOTES

Testing for specifications at 25° C.  
Specifications subject to change without notice.



## AGENCY APPROVALS & CERTIFICATIONS

- UL/cUL 458 Power Inverter, E100666

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### Power Conversion

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