

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
- 12LP10HR
- 12LP10R



Pure Sine Wave



SPECIFICATIONS

	12LP10	12LP10H NO GFCI, HARDWIRE ONLY	12LP10HR NO GFCI, HARDWIRE ONLY, LOCAL ON/OFF SWITCH DISABLED	12LP10R LOCAL ON/OFF SWITCH DISABLED
INVERTER SPECIFICATIONS				
Input battery voltage range	10.5 - 16 VDC	10.5 - 16 VDC	10.5 - 16 VDC	10.5 - 16 VDC
Surge voltage	Up to 24 VDC	Up to 24 VDC	Up to 24 VDC	Up to 24 VDC
Nominal AC output voltage	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%
Output frequency and accuracy	60 Hz ± 0.5%	60 Hz ± 0.5%	60 Hz ± 0.5%	60 Hz ± 0.5%
Total Harmonic Distortion (THD)	< 5%	< 5%	< 5%	< 5%
Continuous power output (real watts)	1000	1000	1000	1000
Output current	8.3 AAC	8.3 AAC	8.3 AAC	8.3 AAC
Input current	Up to 110 ADC	Up to 110 ADC	Up to 110 ADC	Up to 110 ADC
Peak power	2000 watts	2000 watts	2000 watts	2000 watts
Peak output	23.5 AAC	23.5 AAC	23.5 AAC	23.5 AAC
Motor starting rating	1/3 hp	1/3 hp	1/3 hp	1/3 hp
Inverter efficiency (peak)	82%	82%	82%	82%
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
GENERAL FEATURES				
Warranty	Five years			
Listings	UL/cUL 458 Power Inverter, E100666			
PHYSICAL SPECIFICATIONS				
Weight	20 lb (9.1 kg)	20 lb (9.1 kg)	20 lb (9.1 kg)	20 lb (9.1 kg)
Dimensions (l x w x h)	17.3" x 9.0" x 3.6" (43.9 cm x 22.9 cm x 9.1 cm)			
Operating temperature	-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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