

# LD

## Inverter Series



**Incorporating the exclusive Selectronic Thermal Share Technology**

### **LD**SERIES INVERTER FEATURES

Selectronic Australia is proud to introduce the LD series of sine wave power inverters, incorporating the latest technology from Australia's leading inverter manufacturer.

Packed full of style, reliability and performance, these compact true sine wave inverters provide mains style power for those smaller applications wherever it is needed.

Simply connect the inverter battery leads to an appropriate battery or batteries in your car, mobile home, caravan or household power system and you're away. It's that simple.

These low cost, high performance Sine Wave inverters provide the convenience of use of 240 volt domestic appliances in an area where power is not normally available.

In a peaceful bush campsite, a remote outpost, on the water, or in your car or caravan, or household power system you can operate lights, kitchen appliances, television, power tools, etc.

Care must be taken to determine that the appliance usage does not exceed the output power or the output current of your LD inverter. Check the rating label on the appliance and compare this with the inverter output power that suits your needs in the specifications below.

## Reliability



With an accredited Quality Assurance program (ISO 9001) in place and many hours of exhaustive field testing, you know you can rely on a Selectronic inverter.

Our warranties are proof of our confidence.

## Technology



Incorporated within the LD Series is the exclusive Selectronic **THERMAL SHARE TECHNOLOGY (TST)** providing a significant reduction of heat stress within power devices, and is a major breakthrough in the area of long life and reliability of power inverter design.

## **LD** SERIES INVERTER SPECIFICATIONS

### **ELECTRICAL**

<b>PARAMETER</b>	<b>LD200-12</b>	<b>LD250-24</b>	<b>LD350-12</b>	<b>LD350-24</b>	<b>LD450-12</b>	<b>LD550-24</b>	<b>LD600-12</b>	<b>LD700-24</b>	<b>CONDITION</b>
Input voltage	12V	24V	12V	24V	12V	24V	12V	24V	Nominal
Output Power @ 25°C Ambient	200W 250W 600W	250W 320W 750W	350W 450W 1000W	350W 450W 1000W	450W 560W 1350W	550W 720W 1650W	600W 800W 1500W	700W 900W 2000W	Max Continuous 1/2 Hour Rating Max Surge
Voltage DC Input Range	10 - 17V	20 - 34V	10 - 17V	20 - 34V	10 - 17V	20 - 34V	10 - 17V	20 - 34V	Allowable Range
Input Current	N/A 0.3A DC 20A DC 57A DC	N/A 0.2A DC 12A DC 34A DC	0.06A DC 0.4A DC 34A DC 93A DC	0.05A DC 0.35A DC 15A DC 46A DC	0.06A DC 0.6A DC 45A DC 113A DC	0.06A DC 0.45A DC 27A DC 69A DC	0.06A DC 0.54A DC 60A DC 147A DC	0.03A DC 0.25A DC 32A DC 87A DC	Stand By Inverter ON - No Load Max Continuous Max Surge
Demand Start Sensitivity Response Time	N/A N/A		4-16W 1 Second Max						User Adjustable
Low DC Voltage Shutdown	11.0V DC Fixed	22.0V DC Fixed	10 - 11.5V	20 - 23V	10 - 11.5V	20 - 23V	10 - 11.5V	20 - 23V	User Adjustable on LD350 to LD700
High DC Voltage Shutdown	17V	34V	17V	34V	17V	34V	17V	34V	Fixed Setting
Output Voltage	240V AC +/- 4% (220V or 230V factory option)								@ Nominal DC Input, No Load to Full Load
Output Current	0.83A AC	1.04A AC	1.4A AC 3.4A AC	1.4A AC 3.5A AC	1.9A AC 5.6A AC	2.3A AC 6.8A AC	2.4A AC 5.4A AC	2.8A AC 6.9A AC	Max Continuous Max Surge

	2.0A AC	2.8A AC						
Output Wave Shape Output Frequency Total Harmonic Distortion	True Sine Wave 50Hz +/- 0.01% < 4%							
Power Factor Limitations	Nil							
Peak Efficiency	91%	93%	90%	92%	91%	92%	90%	93%
Input/Output Isolation	3750 V AC							
Memory Retention	Permanent							
Reverse Polarity Protection	Yes. Full electronic protection. No spark on connection.							
Operating Temperature Range	0°C to +50°C							
Conforms to standards	AS 3100 (Wiring), AS 1044 (EMC), C tick							

## MECHANICAL

Dimensions:	215mm wide 88mm high 190mm deep		230mm wide 130mm high 260mm deep				210mm wide 170mm high 260mm deep	
Unit Weight	3.6kg	4.0kg	4.9kg	5.0kg	7.3kg	7.6kg	9.2kg	
Packaged Weight	4.0kg	4.4kg	5.6kg	5.7kg	8.0kg	8.3kg	9.8kg	
Input Lead Length	1.0 metre		1.5 metres				1.5 metres	
Output Wiring Method	Single unswitched GPO		Single switched GPO				Dual switched GPO & Hardwire Junction Box	
Chassis	Powder coated zinc steel (Wedgwood Blue)							
Warranty	2 year parts and labour (Conditions apply)							