

SEAMLESS POWER

UNINTERRUPTED LIVING

LIGEN POWER - 3500



Long Lasting Battery life



Zero Maintenance



Fast Charging



Portable and Compact



Low Carbon Footprint



Sine Wave Technology



NO TOPUP



LEAK PROOF



FUMELESS



SPECIFICATIONS

Specification	Details
Model	Ligen INV 3500VA – 48 VDC
Rated Power	3500VA / 2800W (1-Phase Input, 1-Phase Output)
Input Voltage (Battery Mode)	51.2V DC
Battery Chemistry	Lithium Iron Phosphate (LFP)
Battery Pack	Internal Integrated with 16S1P BMS
Battery Capacity	100Ah
Grid Input Voltage (Vmp)	(100 – 290) ±10VAC
Output Voltage (Grid Mode)	Same as Input
Output Voltage (Backup Mode)	220V AC ± 2%
Output Waveform (Grid Mode)	Same as Input
Output Waveform (Backup Mode)	Pure Sine Wave
Output Frequency (Grid Mode)	Same as Input
Output Frequency (Backup Mode)	50Hz ± 0.05Hz
Max Grid Charging Current	15A ±1A (CCCV)
Charging Time (Max)	7 Hours 30 Minutes
Max Load	2500W
Backup Time	1 Hour 50 Minutes
Efficiency	> 90%
Changeover Time	< 8ms
Protection	Yes (Automatic Cut-off)
Protection Features	Overload, Deep Discharge, Over Charge, Short Circuit, Over Temperature
Overload Capacity	>110%: 3x Auto Reset, 4th Time Shutdown; >200% Output Off
Display	Low Batt., Batt. Voltage, Chg. Current, Chg. Mode, AC In, AC Out, Load, Overload, Temperature, INV On/Off Status
Operating Temperature	-20°C to 65°C
Cooling	Intelligent Fan Cooling
Fan Trigger	60°C or Load >50% / 50°C & Load <50%
Audible Alarm	Yes
Bypass	Manual

This 2000 VA inverter supports a maximum 1600 W bulb load and utilizes Sine Wave Technology.