

# SEAMLESS POWER

UNINTERRUPTED LIVING

LIGEN POWER - 5000



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 5000VA – 96 VDC   |
| Rated Power                    | 5000VA / 4000W (1-Phase Input, 1-Phase Output)  |
| Input Voltage (Battery Mode)   | 102.4V DC   |
| Battery Chemistry              | Lithium Iron Phosphate (LFP)  |
| Battery Pack                   | Internal Integrated with 16S1P BMS  |
| Battery Capacity               | 100Ah   |
| Grid Input Voltage (Vmp)       | (160 – 260) ±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                       | 3750W   |
| Backup Time                    | 2 Hours 30 Minutes  |
| Efficiency                     | > 90%   |
| Changeover Time                | < 8ms   |
| Protection                     | Automatic Cut-Off   |
| Protection Features            | Overload, Deep Discharge, Over Charge, Short Circuit, Over Temperature                                    |
| Overload Capacity              | >110%: 3× Auto Reset; 4th Time Shutdown; >200% Output Off   |
| Display                        | Low Batt., Batt. Voltage, Chg. Current, Chg. Mode, AC In, AC Out, Load, Overload, Temp, 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.