

LITHIUM-ION BATTERY

INV-LV 12V-100AH | 200AH



Wide Application

- Built-in 5A constant-current limit charge
- Compatible with any brand inverter
- Suited for backup power, residential



Easy Operation & Maintenance

- Support external power, avoid battery standby allow direct recharge
- With RS485 for firmware updates



High Power Density

- Light weight, and smaller size



Safer

- (LFP) Battery : Safe, long-lasting
- high-efficiency. Built-in circuit breaker intelligent BMS. Eco-friendly materials



Flexible

- Max.4 units in series and Max. 10 units in parallel



Reliable

- Wide temp range : -20°C to 55°C

≥ 6000

Cycles

70%

EOL

-20°C to 55°C

Wide Temp



Model	INV-LV 12V-100AH	INV-LV 12V-200AH
Battery Chemistry	LiFePO ₄	
Nominal Capacity ^[1]	100 Ah	200 Ah
Nominal Voltage	12.8 V	
Operating Voltage	11.2 V ~ 14.6 V	
Nominal Energy ^[1]	1.28 kWh	2.56 kWh
Cell Configuration	Prismatic, 1P4S	Prismatic, 2P4S
Scalability	Max. 4 units in series (51.2V) and Max. 10 units in parallel	
Charge Current ^[2]	Max. Continuous	100 A
	Peak	200 A (10 sec)
Discharge Current ^[2]	Max. Continuous	100 A
	Peak	200 A (10 sec)
Other Parameter		
Recommend Depth of Discharge	80% DoD	
Dimension Approximate (W×D×H, mm)	310 × 160 × 298	471 × 160 × 348
Weight Approximate	11 kg	21 kg
Case Material	ABS+PC	
LED Indicator	LED (SOC, working, protecting) & Buzzer	
Communication	RS485	
IP Rating of Enclosure	IP20	
Operating Temperature	Charge : 0 ~ 55°C, Discharge : -20°C ~ 55°C	
Storage Temperature	0 ~ 35°C	
Relative Humidity	95%	
Altitude	≤2000m	
Cycle Life	≥6000 (25°C±2°C, 0.2C charging and discharging, 80%DOD, 70%EOL)	
Warranty Period ^[3]	5 years	
Installation	Floor-Mounted, Stack-Mouted	
Certification	UN38.3, MSDS	

[1] Test conditions : 25°C±2°C, at beginning of life and calibration mode, 0.2C charge & 0.2C discharge, 100% DOD.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Warranty Letter.

