LFeLi 48100 2 - Multi-protocol

LiFePO4 5120Wh specifications sheet



FEATURES



Longer Cycle Life - Offers up to 20 times longer cycle life & 5 times longer calendar life than lead acid batteries, minimizing replacement cost.



Multi-protocol communication - Multiple protocols that can be selected via PC with an included RS232 cable.



Superior Safety - Lithium Iron Phosphate chemistry eliminates explosion risk combustion due to high impact, overcharging or short circuit situation. First life battery.



Higher usable capacity - Delivers high power, while maintaining cycling of double energy capacity of lead acid battery.



Wider Temperature Range - -20°C ~ 60°C.



Lighter Weight - About 40% of the weight of a comparable lead acid battery. A 'drop in replacement for lead acid batteries.







Solar/wind **Energy Storage**



Caravan power



Power tools

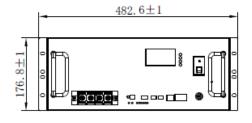


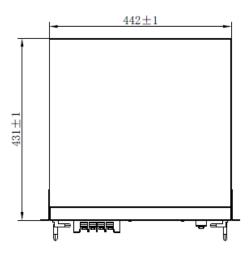
Backup power for **UPS** systems





49kg





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51.2V Nominal voltage:

Nominal Capacity: 100Ah

> 5120Wh **Energy:**

Voltage range: 48~55V (limit: 45~57.6V)

Internal resistance: <50mΩ

> Cvcle life: >3500 cycles @ 100% DOD 25°C

Self discharge per month: <3%

> 57V (±0.6V) **Charge voltage:**

Charge current: Recommended 20~50A

100A Continuous (120-130A Pulse) Max Discharge current:

[1C]

Communication: CAN or R485 (+RS232 to USB)

-20~60°C **Temperature Range:**



Model:	LFeLi-48100S2
IVIOGEI:	
Pated Valtage	Charge:
Rated Voltage:	51.2V (47.8V ~ 55V) [16 Cell]
Range Limit:	[45V ~ 57.6V _{Max}] Bulk/Boost/Absorption : 57V Float: 55V
Recommended Charge Setting:	
Cut-off:	48~50V (without communication) 5-20% (with SOC settings)
Rated Capacity:	100Ah (5120Wh)
Max Charge current:	50A [100A _{Peak}]
Max Discharge current:	100A [125A _{Peak}] Life:
Max Cycles (Design life):	More than 16000 Cycles at 10% DOD (more than 20 years)
Min Cycle life (Operating Life):	More than 3500 at 100% DOD (@ 25°C) (more than 9 years)
DOD:	Recommended: 95% _{max} [Note consider connected device's low power consumption]
	Features:
Soft-Start/Pre-charge:	0.1~0.2A (Allows low current start up for inverter such as Victron and Schneider that
	do not include soft-start) (Inverter capacitor pre-charger)
Built in DC Breaker:	125A DC breaker and power button.
Auto Shutdown:	Low Cell sleep
Over/Under-voltage protection:	Load disconnect
Auto-Recovery:	Recovers: UVP with charge, OVP with discharge and balancing.
Over/Under-Temp Protection:	Charging: 0 to +50°C Discharging: -20 to +50°C Storage: -20 to +60°C
Charge Current Limiting:	To 20A (Settable) [Default activation: 60A, settable]
Warrantee:	4-Years (extended 7 year)
Communication:	RS485; RS232; CAN
Flame Retardant:	UL94V-0
Ratings:	IP31; CE-UN38.3; IEC62619; ISO14001; ISO9001
Compatibility:	
Active protocols:	Sunsynk (Deye, Fusion), Schneider, Phocos, EAST, Victron, Lux power, Growatt, SolaX,
	Goodwe, Imeon Energy, Selectronic, Sofar, Solis, Sungrow, Delios, Sematic
	General Data:
Operating temperature:	15 ~ 35°C (0 ~ 60°C)
Terminals:	Double Poled (rated 125A across terminal)
Max relative humidity:	90%
Net Weight:	49kg
Display:	LCD + LEDs
Alarm:	Led and buzzer (settable)
Unit Dimensions [W×H×D]:	442 × 177 × 431 (mm)

