

16 kWh

LOW-VOLTAGE BATTERY

Home Energy Storage

51.2 V / 314 Ah

Digital monitoring
App system

CAN bus
Standard connection

Inverter compatibility
High compatibility

Natural cooling*
Thermal management

LiFePO4 cells
Reliable LFP chemistry

IP32
Protection rating

- Flexible configuration and convenient installation.
- Compatible with most solar inverters.
- Energy for off-grid PV and commercial electrical equipment.

APPLICATION SCENARIOS

House | Farm | Telecom | Countryside | Island | Pasture

Application visuals are illustrative, not installation guidance.

MODEL	MECC48314-LV
BATTERY PARAMETERS	
Specification	51.2 V / 314 Ah
Capacity	314 Ah / 16 kWh
Cell type	LiFePO4
Charging cut-off voltage	57.6 V
Discharge cut-off voltage	43.2 V
Max. continuous discharge current	200 A
Instantaneous discharge current	400 A
Display	LCD
Standard charging current	<100 A
Standard discharge rate	0.5C
GENERAL PARAMETERS	
Storage temperature	0°C to 60°C
Operating temperature	-20°C to 60°C
Design life	5 years
Cycle life	6000 cycles / 90% DoD
Product size	460 × 217 × 850 mm
Net weight	125 kg
Gross weight	145 kg
Protection rating	IP32
Communication interface	CAN / RS232 / RS485
Cooling method*	Air cooling / active balancing

*Cooling descriptions differ in the source. Confirm the method before release.

SYSTEM FEATURES

- Overvoltage
- Overcurrent
- Overcharge
- Stable performance
- Low self-discharge
- Recycling

