

Low-Voltage Energy Storage Battery

Model: FN310
16 kWh



- Mobile: Wheeled, flexible placement
- Standard Comms: CAN/RS485 compatible
- High DoD: Supports 95% DoD. Large Capacity: 16kWh LFP cells
- Wide Temperature: Charge/discharge -10~55° C. Long Cycle Life: > 6,000 cycles

Battery Data

Cell Chemistry	LFP
Pack Configuration	1P16S
Rated Energy (KWh)	16kWh
Rated Capacity (Ah)	314Ah
Rated Voltage (V)	51.2V
Operating Voltage Range (VDC)	44.8-57.6V
Max. Continuous Charge/ Discharge Current (A)	157A
BMS Communication	CAN/RS485

General Data

Dimensions(L*W*H) (mm)	500×270×820
Packaging Dimensions(L*W*H) (mm)	540×310×860
Weight (kg)	118kg
Packaging Weight (kg)	122kg
Altitude (m)	4,000m (Derating above 2,000m)
Display	LCD
Safety Protection	Over Charge/Discharge Protection, High/Low Temperature Protection, Over Current Protection, Short Circuit Protection, Cell Voltage Balancing.
IP Rating	IP20
Operating Temperature (°C)	Charge 0~55°C / Discharge -10~55°C
Relative Humidity	0 ~ 95% Non-condensing
Cycle Life	>6,000 Cycles
Installation Method	Floor-Standing (with Wheels)
Certifications	CE, RoHS, UN38.3, IEC62619

This is a 16kWh mobile storage unit with castors for easy relocation, supporting 95% depth of discharge. It is suitable for providing night-time irrigation power to agricultural greenhouses, serving as temporary clean power on construction sites, or expanding existing PV systems to increase self-consumption.