



LEAPTON
SOLAR



SWITCH YOUR LIFE

ENERGY STORAGE SOLUTIONS

VERSION: 2025 V2

LOW VOLTAGE BATTERY - EL-A16

★ HIGH ENERGY DENSITY & LONG ENDURANCE

Uses 314Ah cells for extended power supply and high-power device operation.

★ HIGH CHARGE/DISCHARGE CURRENT

Supports up to 160A for efficient performance.

★ STANDARD SC CONNECTOR

Enables flexible installation and easy replacement.

SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability.

INTELLIGENT BMS

Automatically manage charge and discharge state.

HIGH EFFICIENCY

Charge and discharge with high efficiency.



Battery Module

EL-A16

Rated Energy(kWh) ¹	16
Usable Energy (kWh) ¹	14.4
Cell Type	LFP (LiFePO4)
Cell Configuration	16
Rated Capacity(Ah)	314
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/ Discharge Current (A)	100
Recommend Charge/ Discharge Power (kW)	5.12
Max. Charging/ Discharging Current (A) ²	160
Max. Charging/ Discharging Power (kW) ²	8.19
Weight (kg)	120
Dimensions (W × H × D mm)	480*855*235
Communication	CAN/RS485
Operating Temperature (°C)	Charge:0~+55;Discharge:-20~+55
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	>6000 (25°C @ 77°F)
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP65
Max. number of parallel connections (pcs)	15
Max. Operating Altitude (m)	2000
Mounting Method	Floor-standing
Certificates	UN38.3
Product Warranty	10 years warranty

Note

1. Value for Battery Cell Only (Depth of Discharge 90%).Actual usable energy at the AC output may vary by condition, such as the battery converter. inverter efficiency and temperature.
2. Leapton Energy recommends 160A@8.19kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.

CONTACT



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OPTIONAL ACCESSORIES (NOT INCLUDED, SOLD SEPARATELY)

EL-A16 Packing list (Include)

No.	Project	Description
1		Main Unit*1
2		User Manual*1
3		SC50-8*4
4		SC6-6*2
5		RJ45 Connector*2
6		M6 Combination Screw*4
7		M8 Combination Screw*4
8		M6*50 Expansion Screw*2
9		Fixed Plate*2

Optional accessories, Sold separately (Exclude)

No.	PN	Description	Picture
1	G.01.B.0216	Battery Power Cable(positive)*1 Size:50mm ² Length:1.2m	
		Battery Power Cable*(negative)*1 Size:50mm ² Length:1.2m	
2	G.01.B.0217	Battery Parallel Cable(positive)*1 Size:50mm ² Length:0.6m	
		Battery Parallel Cable*(negative)*1 Size:50mm ² Length:0.6m	
3	G.01.B.0018	Ground Wire*1 Size:10AWG Length:1m	
4	G.02.B.0165	Battery Communication Cable*1 Length:1.5m	
5	G.02.B.0144	Battery Parallel Communication Cable*1 Length: 1m	