



LEAPTON
SOLAR



SWITCH YOUR LIFE

ENERGY STORAGE SOLUTIONS

VERSION: 2026 V1

* For the most up-to-date information, please refer to the latest version of this datasheet.

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

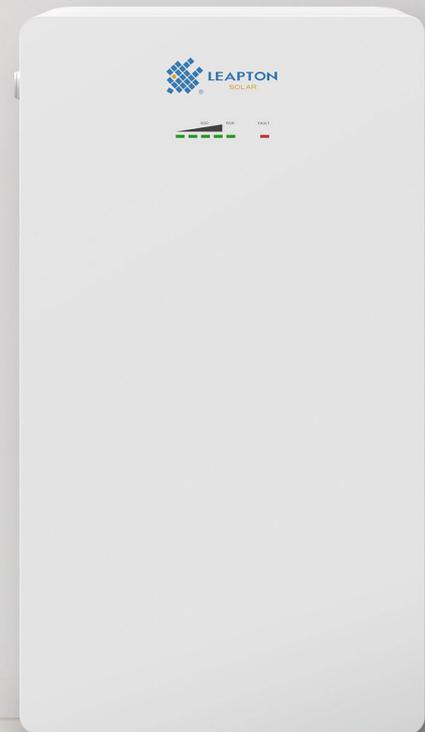
Reliable LFP battery cell with high cycle stability.

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	16S1P
Rated Capacity(Ah)	314
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommended Voltage Range (V)	44.8~56.8
Recommended Charge/ Discharge Current (A)	100
Recommended Charge/ Discharge Power (kW)	5.12
Max. Charge/ Discharge Current (A) ²	160
Max. Charge/ Discharge Power (kW) ²	8.19
Weight (kg)	120
Dimensions (W × H × D mm)	480*865*235
Communication	CAN, RS485, RS232
Operating Temperature (°C)	Charge:0~55, Discharge:-20~55
Operating Temperature (Recommended) (°C)	15~30
Storage Temperature (°C)	-10~55
Storage Temperature (Recommended) (°C)	20~30
Relative Humidity	5%~95%
Cycle Life	>6000 (25°C @ 77°F)
Recommended DOD	90%
Environment	Outdoor /Indoor(*Please refer to the user manual for installation condition)
Cooling Method	Natural convection
Ingress Protection Rating	IP65
Max. Number Of Parallel Connections (pcs)	15
Max. Operating Altitude (m)	2000
Mounting Method	Floor-standing
Heating Function ³	Optional
Certificates	IEC 62619, CE, MSDS, UN38.3
Product Warranty	10 years warranty

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 will occur related to temperature and SOC.

3. The battery with the heating function option can only be used with Leapton inverters and is not compatible with third-party inverters.

CONTACT

HEADQUARTERS: LEAPTON ENERGY CO., LTD.

TEL: 81-78-382-3182

WEB: www.leaptonenergy.jp

ADD: F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

FACTORY: LEAPTON SOLAR (CHANGSHU) CO., LTD.

TEL: 86-512-88800068

WEB: www.leaptonpv.com

ADD: No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

E-MAIL: info@leaptonenergy.com

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:10 AWG 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	
6	B.06.A.0030	Aerosol Fire Extinguishing Device*1	