



**LEAPTON**  
SOLAR



■ ■ ■ SWITCH YOUR LIFE  
**ENERGY STORAGE SOLUTIONS**

## LOW VOLTAGE BATTERY EL-A05



### PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



### SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability, IP65 waterproof design



### CYCLE LIFE

≥ 6000 cycles



### SYMMETRIC DESIGN

Four power ports, Symmetrical left-right connections



### 1C@25°C RATE SUPPORT

Maximum charge/ discharge rate  
1C@25°C



### CONVENIENT PARALLEL CONNECTION

Shortest wiring for multi-unit parallel setups, Supports up to 15 units in parallel

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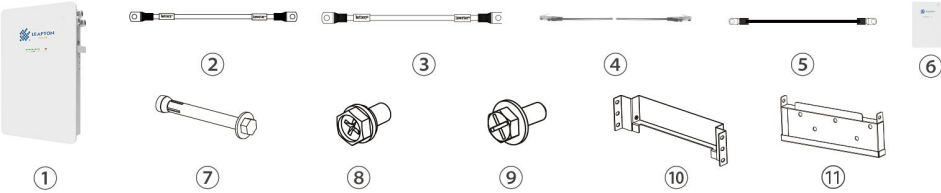
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Battery Module	EL-A05
Rated Energy(kWh) <sup>1</sup>	5.12
Usable Energy (kWh) <sup>1</sup>	4.6
Battery Module Energy	5.12kWh
Cell Type	LFP (LiFePO <sub>4</sub> )
Cell Configuration	16S1P
Rated Capacity(Ah)	100
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/Discharge Current (A)	50
Recommend Charge/Discharge Power (kW)	2.56
Max. Charging/Discharging Current (A) <sup>2</sup>	100
Max. Charging/Discharging Power (kW) <sup>2</sup>	5.12
Weight (kg)	43
Dimensions (W × H × D mm)	395*615*140
Communication	RS485,RS232,CAN
Operating Temperature (°C)	Charge: 0 ~ +50; 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. Operating Altitude (m)	2000
Mounting Method	Wall mount
Certificates	CE; UN38.3; MSDS
Product Warranty	10 years warranty

Paking list of EL-B05  
(Standard)

		
No.	Description	Quantity
①	Battery	1
②	1.6m Battery negative terminal cable	1
③	1.6m Battery positive terminal cable	1
④	1.6m Battery battery and inverter communication cable	1
⑤	PE cable	1
⑥	User Manual	1
⑦	M6*70 Expansion screw	5
⑧	M6*10 screw	6
⑨	M5*16 screw	2
⑩	Battery bracket	1
⑪	Wall bracket	1

Parallel cable (Optional)

	Battery negative parallel cable (Note:The cable length can be customized based oncustomer requirements, default length is 600mm.)
	Battery Positive parallel cable (Note:The cable length can be customized based oncustomer requirements, default length is 600mm.)
	1m Battery battery parallel communication cable

**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 50A@2.5kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.