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SOLAR



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**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



### CYCLE LIFE

> 6000 cycles



### FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility Configuration-Max. 8 cluster in parallel



### 1C@25°C RATE SUPPORT

Maximum charge/ discharge rate 1C@25°C



### HIGH EFFICIENCY

Charge and discharge with high efficiency



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## TECHNICAL PARAMETERS

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)	45
Dimensions (W × H × D mm)	454*585*135
Communication	RS485,RS232,CAN
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50
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	IP20
Max. Operating Altitude (m)	2000
Mounting Method	Floor stand
Certificates	CE, IEC62619, 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 50A@2.5kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.