



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



CYCLE LIFE

≥ 6000 cycles



1C@25°C RATE SUPPORT

Maximum charge/ discharge rate
1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



FLEXIBLE INVESTMENT

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



HIGH EFFICIENCY

Charge and discharge with high efficiency



■ Headquarters: Leapton Energy Co., Ltd. ☎ 81-78-382-3182
📍 F6 Tosei Building 1-2-1 Aioicho Chuo-ku, Kobe-shi, Hyogo-ken 650-0025, Japan

■ Factory: Leapton Solar (Changshu) Co., Ltd. ☎ 86-512-88800068
📍 No.9 Sunshine Avenue, Changshu, Suzhou city, Jiangsu province, 215500, P. R. China

🌐 www.leaptonpv.com ✉ info@leaptonenergy.com



TECHNICAL PARAMETERS

Battery Module	EL-A05
Rated Energy(kWh) ¹	5.12
Usable Energy (kWh) ¹	4.6
Battery Module Energy	5.12kWh
Cell Type	LFP (LiFePO ₄)
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) ²	100
Max. Charging/ Discharging Power (kW) ²	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	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Wall mount
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. Lepton Energy recommends 50A@2.5kW for maximum battery module lifetime Max dis-/charge current and power derating wil occur related to temperature and SOC.