



LEAPTON
SOLAR

■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



LOW VOLTAGE BATTERY EL-A2.56



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



INTELLIGENT BMS

Automatically manage charge and discharge state



1C@25°C RATE SUPPORT

Maximum discharge rate 1C@25°C



HIGH EFFICIENCY

Charge and discharge with high efficiency

CONTACT

■ 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-A2.56
Rated Energy(kWh) ¹	2.56
Usable Energy (kWh) ¹	2.3
Cell Type	LFP (LiFePO ₄)
Cell Configuration	8
Rated Capacity(Ah)	100
Nominal Voltage (V)	25.6
Operating Voltage Range (V)	20~28.8
Recommend Voltage Range (V)	22.4~28.4
Recommend Charge/ Discharge Current (A)	50
Recommend Charge/ Discharge Power (kW)	1.28
Max. Charge/ Discharging Current (A) ²	70/ 100
Max. Charge/ Discharging Power (kW) ²	1.79/ 2.56
Weight (kg)	28
Dimensions (W × H × D mm)	350*260*180
Communication	CAN
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)
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP20
Max. Operating Altitude (m)	2000
Mounting Method	Wall-mounted
Certificates	UN38.3
Product Warranty	5 years warranty
Note	

1. 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@1.28kW for maximum battery module lifetime Max dis-/charge current and power derating will occur related to temperature and SOC.