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SOLAR

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**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



### FLEXIBLE INVESTMENT

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



### EASY INSTALLATION

standard modules, mix old and new batteries



### 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](http://www.leaptonpv.com) ✉ [info@leaptonenergy.com](mailto:info@leaptonenergy.com)



## TECHNICAL PARAMETERS

Battery Module	EL-A2.56
Rated Energy(kWh) <sup>1</sup>	2.56
Usable Energy (kWh) <sup>1</sup>	2.3
Cell Type	LFP (LiFePO <sub>4</sub> )
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. Charging/ Discharging Current (A) <sup>2</sup>	100
Max. Charging/ Discharging Power (kW) <sup>2</sup>	2.56
Weight (kg)	28
Dimensions (W × H × D mm)	350*260*180
Communication	CAN
Operating Temperature (°C)	Charge:0~+50;Discharge:-20~+50
Operating Temperature (Recommended) (°C)	15~30
Relative Humidity	5%~95%
Cycle Life	6000
Recommend DOD	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Wall-mounted
Certificates	CE, UN38.3
Product Warranty	5 years warranty / 10 years warranty optional

### 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.