



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 charge/ discharge rate 1C@25°C



HIGH EFFICIENCY

Charge and discharge with high efficiency



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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. Charging/ Discharging Current (A) ²	100
Max. Charging/ Discharging Power (kW) ²	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 (25°C @ 77°F)
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	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.