



LEAPTON
SOLAR

VERSION: 2026 V2

* For the most up-to-date information, please refer to the latest version of this datasheet.

■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



LOW VOLTAGE BATTERY

EL-A2.56 (IP20)



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



CYCLE LIFE

6000 cycles



1C@25°C RATE SUPPORT

Maximum discharge rate 1C@25°C



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



INTELLIGENT BMS

Automatically manage charge and discharge state



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	8S1P
Rated Capacity(Ah)	100
Nominal Voltage (V)	25.6
Operating Voltage Range (V)	20~28.8
Recommended Voltage Range (V)	22.4~28.4
Recommended Charge/ Discharge Current (A)	50
Recommended Charge/ Discharge Power (kW)	1.28
Max. Charge/ Discharge Current (A) ²	70/ 100
Max. Charge/ Discharge Power (kW) ²	1.79/ 2.56
Weight (kg)	20
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
Storage Temperature (°C)	-10~55
Storage Temperature (Recommended) (°C)	20~30
Relative Humidity	5%~95%
Cycle Life	>6000 (25°C @ 77°F)
Environment	Indoor
Cooling Method	Natural convection
Ingress Protection Rating	IP20
Max. Number Of Parallel Connections (pcs)	Not supported
Max. Operating Altitude (m)	2000
Mounting Method	Wall-mounted
Certificates	MSDS, UN38.3
Product Warranty	5 years warranty
Compatible inverter brands	Leapton, Solis and others
40HQ Container Capacity (pcs)	1092

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.