



ELEKTRA BOOST LITE

CSE-ESS(P):25.6V100Ah



PERFECT COMPATIBILITY

Suitable for 24V off-grid inverters and hybrid inverters



CYCLE LIFE

Built for 6,000 cycles of reliable performance.



1C@25°C RATE SUPPORT

Optimal performance with a maximum 1C charge/discharge rate at 25°C.



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



INTELLIGENT BMS

Automatically manages charge and discharge states



HIGH EFFICIENCY

Charge and discharge with high efficiency



TECHNICAL PARAMETERS

BATTERY MODULE	CSE-ESS(L)-25.6V100AH
Rated Energy (kWh)	2.56
Usable Energy (kWh)	2.3
Battery Module Energy	2.56kWh
Cell Type	LFP (LiFePO ₄)
Cell Configuration	8S1P
Rated Capacity (Ah)	100
Nominal Voltage (V)	25.6
Operating Voltage Range (V)	20 ~ 28.2
Recommended Voltage Range (V)	22.4 ~ 28.4
Recommended Charge/Discharge Current (A)	50
Max. Charging Current (A)	70
Max. Discharging Power (A)	100
Weight (kg)	25
Dimensions (W × H × D mm)	350 × 260 × 180
Communication	RS485, CAN
Operating Temperature (°C)	Charge: 0 ~ +55, Discharge: -20 ~ +55
Recommended Operating Temperature (°C)	15 ~ 30
Relative Humidity	5% ~ 95% (non-condensing)
Cycle Life	>6000 cycles (at 25°C / 77°F, 90% DoD)
Recommended Depth of Discharge (DoD)	90%
Environment	Indoor
Cooling	Natural convection
Ingress Protection Rating	IP21
Max. Operating Altitude (m)	2000
Mounting Method	Wall-Mounted
Certifications	UN38.3

Note:

1. Values are for the battery cell only (at 90% DoD). Actual usable energy at the AC output may vary due to conditions such as converter/inverter efficiency and temperature.
2. Crown Solar Energy recommends: Optimal current/power for longevity: 50A @ 1.28kW.
Max charge/discharge current and power may derate based on temperature and state of charge (SOC).