



Soluna 10K PACK LV is a battery solution ideal for residential and small commercial energy storage applications.

The model is adopted by the latest **LiFePO4** technology with an intelligent BMS integrated in the fault protection for energy security, offering a capacity of 10kwh which can be installed in parallel up to 12 batteries allowing 120kwh of total storage.

With a **10-year** warranty and 6000 cycle life, the Soluna 10K pack LV is a flexible, reliable and high performance battery storage solution.

Low Voltage



Scalable to 120kWh

Safest LiFePO4 battery



Long lifespan

Easy Installation



Floor, Wall mounting



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

| | |
|--------------|------------------|
| Height (mm) | 760 |
| Width (mm) | 500 |
| Depth (mm) | 215 |
| Weight (kg) | 100 |
| Installation | Indoor / Outdoor |

ELECTRICAL CHARACTERISTICS

| | |
|--|-------------------|
| Battery type | Lithium LEP |
| Nominal capacity (Ah) | 200 |
| Nominal voltage (V) | 51.2 |
| Voltage range (usable) (V) | 48 to 57.6 |
| Max. charge/ discharge current(A) | 100 / 200 |
| Depth of discharge (DoD) (%) | 90 |
| Internal resistance (mΩ) | ≤60 |
| Cycle life | ≥6000 |
| Battery pack round-trip efficiency (%) | >95 |
| DC disconnect | Contactors / fuse |

BMS

| | |
|-----------------------|---|
| Power consumption | <3W (work) <100 mW (sleep) |
| Monitoring parameters | System voltage System current Cell voltage Cell temperature CAN |
| Communication | CAN |

OPERATING CONDITIONS

| | |
|---|--------------------|
| Operating temperature (°C) | -10 to 50 |
| Operating temperature(recommended) (°C) | 15 to 30 |
| Storage temperature (recommended)(°C) | 15 to 30 |
| Humidity conditions(%) | 5 to 95 |
| Altitude(m) | Max. 2,000 |
| Cooling strategy | Natural convection |

RELIABILITY AND CERTIFICATION

| | |
|---------------------------|--|
| Certification | Cell: UL1642 Module: UN38.3 . UL1973. UL9540A IEC62619 . CE RoHS |
| Transportation | UN38.3 |
| Ingress protection rating | IP 55 |
| System configuration | 1 to 12 parallel |

WARRANTY

| | |
|-------------------------|---------------------------|
| Product and performance | 10-year standard warranty |
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