

Smart LV Battery

Low Voltage Blade Home Battery



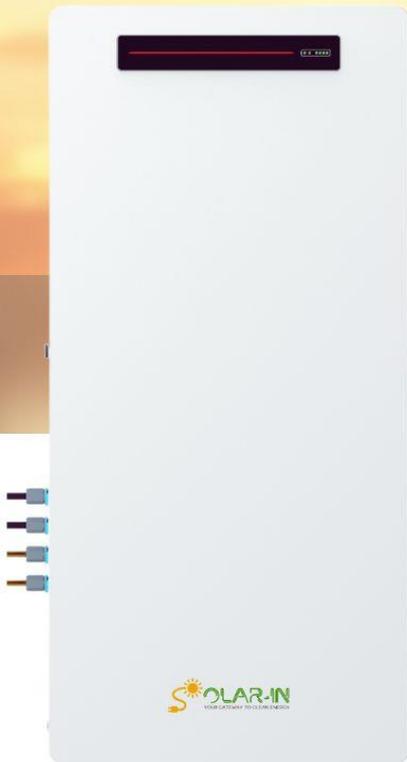
Flexible capacity options
7kWh to 28kWh



Grade A blade cells for superior
performance



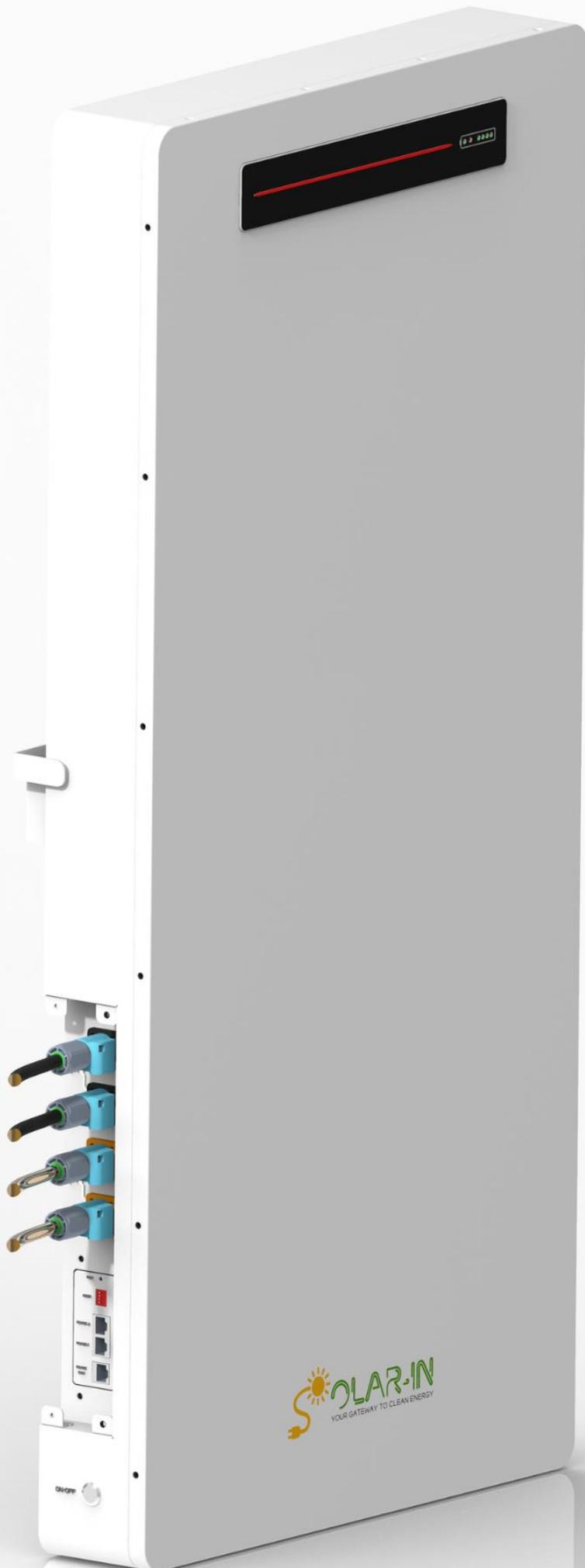
IP65 Protection
Excellent safety of cobalt free
LiFePO4 battery



www.solarin.be



10-Year Warranty



 **SOLAR-IN**
YOUR GATEWAY TO CLEAN ENERGY

Smart 7LV-w

- Compact size
- High efficiency
- High energy density
- Easy installation
- Remote firmware upgrade

Battery Characteristics

| | |
|-------------------------|---|
| Nominal Voltage | 51.2V |
| Nominal Capacity | 138Ah |
| Nominal Energy | 7.0kWh (expanded up to 28 kWh, 4 units in parallel) |
| Voltage Window | 44.8~58.4V |
| Rated Charge Current | 50A |
| Max. Charge Current | 100A |
| Rated Discharge Current | 50A |
| Max. Discharge Current | 100A |
| Max. Discharge DC Power | 7kW/10kW |
| Operating Temperature | 0°C ~ 45°C (Charge) -20°C ~ 50°C (Discharge) |

General Characteristics

| | |
|-------------------------|--|
| Recommended DOD | 90% |
| Communication | CAN2.0 / RS485/ RS232 |
| Cycle Life | 6000 cycles @ 90 DoD. 80% capacity remains after 6000 cycles |
| IP Grade | IP65 |
| Installation | Wall mount |
| Dimension | W520 x D100 x H1100mm |
| Terminal Type | Quick plug connector |
| Weight | ~ 72.5kg |
| Warranty | 10 Years |
| State indicator | SOC and error status |
| Maximum Parallel Number | 4 |
| Certification | IEC62619(Cell&Pack), CE, CEC, RCM, UN38.3 |

The battery can be programmed to be compatible with any inverter

* When the temperature is below 0 °C or above 45°C, the performance will be limited.