

Smart Low-Voltage Battery Storage System

Acelion Neo SL 5

Engineered with modular design for seamless scalability and integration, the NEO SL 5 is designed for smart home and commercial energy solutions.

Built with advanced SiC technology and multi-level protection, it ensures maximum efficiency and superior safety. Compatible with Apple HomeKit and Google Home for intelligent energy control.



Real-time monitoring & remote upgrade available



Module design flexible expansion



Various Mounting Methods
Wall-mounted, floor-standing and stacked



Support Battery Charge & Discharge under low ambient temperature



High Safety LFP Cell level monitoring and balancing



Wide Compatibility Matching with leading inverters

| Parameter | Specification |
|--|---|
| Battery Information | |
| Model | NEO SL 5 |
| Battery Type | LiFePO ₄ |
| Nominal Battery Energy | 5.12 kWh |
| Nominal Cell Capacity | 100 Ah |
| Nominal Voltage | 51.2 V |
| Operating Voltage | 44.8 - 57.6 V |
| Performance | |
| Recommended Charge & Discharge C Rate | 1C |
| Depth of Discharge (DOD) | 90% |
| Recommended Charge / Discharge Current | 100 A |
| Max. Power Charge / Discharge Current | Charge 100 A / Discharge 100 A |
| Peak Power Charge / Discharge Current | 110 A (15 s) |
| Expansion | Up to 8 units in parallel |
| Cycle Life | ≥ 6000 Cycles |
| Physical Characteristics | |
| Net Weight | 48 kg |
| Dimensions (W × D × H) | 600 × 200 × 300 mm |
| Environmental Conditions | |
| Charging Temperature Range | 0 - 55°C / -20 - 55°C (with heating function) |
| Discharging Temperature Range | -20 - 55°C |
| Protection Level | IP20 |
| Environmental Conditions | |
| Communication Protocols | CAN / RS485 / Thread / Wi-Fi / BLE |