

Smart Low-Voltage Battery Storage System

Acelion NEO SL 10

The Acelion NEO SL 10 is a next-generation modular battery system engineered for smart homes and light commercial spaces. With advanced SiC technology, mesh topology, and multi-level protection, it delivers reliable performance, real-time communication, and superior safety. Fully compatible with Apple HomeKit and Google Home, it offers a smooth, connected, and intelligent energy experience.



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 10
Battery Type	LiFePO ₄
Nominal Battery Energy	10.28 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	200 A
Max. Power Charge / Discharge Current	Charge 200 A / Discharge 200 A
Peak Power Charge / Discharge Current	110 A (15 s)
Expansion	Up to 4 units in parallel
Cycle Life	≥ 6000 Cycles
Physical Characteristics	
Net Weight	96 kg
Dimensions (W × D × H)	600 × 200 × 600 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