

High-Voltage Storage For Commercial Uses

Acelion NEO RH 5

The Acelion NEO RH 5 is a high-voltage modular battery system crafted for intelligent, high-performance energy applications. It combines advanced SiC technology with LiFePO_4 (LFP) chemistry to deliver superior safety, extended lifespan, and efficient power output. With smart communication, scalable design, and multi-layer protection, the NEO RH 5 is the perfect choice for residential and light commercial hybrid systems.



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 RH5
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	26 Packs
Cycle Life	8000 Cycles / 10,000 Cycles
Physical Characteristics	
Net Weight	54 kg
Dimensions (W × D × H)	600 × 350 × 140 mm
Environmental Conditions	
Charging Temperature Range	0 - 55°C / -20 - 55°C (with heating function)
Discharging Temperature Range	-20 - 55°C
Protection Level	IP20
Communication & Interface	
Communication Communication Protocols	CAN / RS485 / One Wire
Electrical Specifications	
Max. System Voltage	1500 V
Operating Range	800 - 1500 V