

Advanced Low-Voltage Energy Storage System

Acelion NEO RH 10

The Acelion NEO RH 10 is a high-capacity, high-voltage battery module engineered for demanding residential and commercial hybrid energy systems. Powered by advanced SiC technology and LiFePO_4 (LFP) chemistry, it delivers superior safety, extended cycle life, and excellent energy efficiency. Designed with smart connectivity, parallel scalability, and robust protection, the NEO RH 10 ensures seamless performance in any intelligent power environment.



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 RH10
Battery Type	LiFePO ₄
Nominal Battery Energy	10.28 kWh
Nominal Cell Capacity	100 Ah
Nominal Voltage	102.4 V
Operating Voltage	89.6 - 115.2 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	13 Packs
Cycle Life	8000 Cycles / 10,000 Cycles
Physical Characteristics	
Net Weight	122 kg
Dimensions (W × D × H)	600 × 540 × 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