

Smarter Energy. Smarter Home

51,2V - Rack Type

Design Philosophy:

Power meets elegance. Our all-in-one home battery solution is designed to blend seamlessly into modern living—delivering clean energy, smart control, and reliable backup in a compact, stylish form.



Energy Independence



Backup Power



Smart Home Integration



Quick Installation



Quiet & Compact Design



Remote Monitoring



Our advanced energy storage systems support both commercial & industrial (C&I), offering unmatched reliability, scalability, and energy management efficiency.

Specifications

Category	Item	Index
Electrical	Rated Capacity	5.12 kWh
	Nominal Voltage	51.2V
	Operating Voltage	48-56V
	Charge/Discharge Current	50 A
	Round-trip Efficiency	>95%
Mechanical	Dimensions	482 x 413 x 132 mm
	Weight	43 kg
	IP Rating	IP65
	Installation Mode	Rack System
System	Cell Type	LFP 100Ah
	Cycle Life	>6000 Cycles (SOH 70%)
	Scalability	Max. 16 in Parallel (81.92kWh)
Safety & Environment	Charging Temperature Range	0°C - 55°C
	Discharging Temperature Range	-20°C - 55°C
	Relative Humidity	0-95% (no condensing)
	Max. Working Altitude	≤4000m
	Compliance	IEC 62619, IEC 63056, IEC 60730 Annex H, EMC: IEC 61000-6-1, IEC 61000-6-3, UL: UL1973, UL9540, TUV CE, UN38.3
Communication	Communication	CAN, RS485

© 2026 Netzr. All rights reserved.

Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in datasheets are subject to change without notice.