

Battery rack system (LV)

48 V



Safe & Reliable

Lithium Nickel Manganese Cobalt Oxide Cell Tested and Certified Product



Low TCO

Cost saving



More Usable Energy

Up to 9 000 cycles



In-Software

Remote monitoring



Perfect Compatibility

Compatible with Both Residential Single & Three-Phase Inverters



Negative Carbon Footprint Production

All energy used in production comes from RES



Decarbonization

Contributes to reduction of Carbon for a climate-neutral society by 2050



Easy Installation

Compact and Lightweight Battery Module



Up to 98% Recyclable

Eco friendly





Technical Specification



4 modules

5 modules

6 modules

7 modules

8 modules

Performance

Battery rack installed energy	37.0 kWh	46.2 kWh	55.4 kWh	64.7 kWh	73.9 kWh
Battery rack usable energy (0.5C/0.5C rated at 25°C)	36.0 kWh	46.0 kWh	55.0 kWh	64.0 kWh	73.5 kWh
Output power (rated at 25°C)	24.5 kW	30.6 kW	36.7 kW	43.0 kW	49.0 kW
Nominal voltage	51.1 V				
Operating voltage range	45.0 – 58.0 V				
Capacity	720 Ah	900 Ah	1 080 Ah	1 260 Ah	1 440 Ah
Max. discharge current	480 A	600 A	720 A	840 A	960 A
Max. charge current	300 A	400 A	500 A	600 A	700 A
Cycles @100% DoD 1C/1C rated at 25°C	6 000 cycles				
Cycles @80% DoD 1C/1C rated at 25°C	7 500 cycles				
Cycles @80% DoD 0.5C/0.5C rated at 25°C	9 000 cycles				
Efficiency	Up to 98%				

Communication

Display	SOC indicator, status indicator
Communication	RS232 / CANopen (ModBUS available Q3Y2021)
Safety	Digital outputs for charger and inverter control

General Specification

Weight (without the rack)	280 kg	350 kg	420 kg	490 kg	560 kg
Operating temperature	-10°C to +50°C				
Recommended operating temperature	15°C to +30°C				
Cooling	Natural convection				
Protection rating (module level)	IP 21				
Cell technology	NMC – Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO2)				

Standard Compliance *(more available upon request)*

Certificates	Certificate of Conformity, UN38.3
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Applications

- Small commercial applications
- On-grid and off-grid operation
- Load leveling, peak shaving

*Typical product configuration.
Appearance and interfaces may vary.*



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We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures and other product information, as well as illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification.

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