Battery rack system (HV)

1050 V

Safe & Reliable
Lithium Nickel Manganese Cobalt Oxide
Cell Tested and Certified Product

High Voltage Configuration
High Efficiency Rate

High Energy Density
252 kWh/m²

Flexible chemistry in the same mechanical design
Easy integration for power or energy demand

Modular Concept
Connection up to 32 racks in parallel

Energy Management Available
Power Distribution Unit SCADA ready

Perfect Compatibility
Compatible with Most PCS in the Market

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

More Usable Energy
Up to 9 000 cycles

Maintenance Free
Cost reduction

Up to 98% Recyclable
Eco friendly

Technical Specification

Performance	
Battery rack installed energy	126 kWh
Battery rack usable energy (0.5C/0.5C rated at 25°C)	126 kWh
Output power (rated at 25°C)	126 kW
Nominal voltage	1050 V
Operating voltage range	950–1200 V
Capacity	120 Ah
Max. discharge current	120 A
Max. charge current	120 A
Cycles @100% DoD 1C/1C rated at 25°C	6000 cycles
Cycles @80% DoD 1C/1C rated at 25°C	7500 cycles
Cycles @80% DoD 0.5C/0.5C rated at 25°C	9000 cycles
Efficiency	Up to 98%

Communication	
Display	SOC indicator, status indicator
Communication	TCP/IP, ModBus, CAN, IsoSPI daisy-chain
Safety	Digital outputs for charger and inverter control

General Specification	
Dimensions (H x W x D)	2000 x 850 x 520 mm
Weight (without the rack)	900 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

Applications

- Commercial and industrial applications
- Renewable integration
- On-grid and off-grid operation
- Ancillary grid services

Typical product configuration.
Appearance and interfaces may vary.

PRIME

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