



MODEL: COR-5000-HVXA-14971164

COREVA 5

ELECTRICAL SPECIFICATIONS

Cell Capacity [Ah]	314
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)
Total Storage Capacity [kWh]	5015
Nominal Voltage [V]	1331.2
Max/Min. Operating Voltage [V]	1497.6/1164.8
Max. Charge/Discharge Rate	0.5C @ 25°C
Max. Charging Power [kW]	2507.9 (0.5C)
Short Circuit Current [kA]	247

ENVIRONMENTAL PARAMETERS

Storage Temperature [°C]	-20°C to 25°C (long term - max. 6 months); -20°C to 40°C (short term - max. 3 months)
Operating Temperature [°C]	-30°C to 55°C
Operating Humidity [%]	≤95
Altitude [m]	≤3000
Ingress Protection	IP55
Cooling Method	Integrated liquid cooling and heating

COMMUNICATION

Communication Method	CAN, RS485, Ethernet
Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
Integration and Control	Top-level control by Freedom Won EMS

FIRE PROTECTION

Detection	Temperature, Smoke, Off-gas
Pack Level Suppression	Aerosol + water misting system
Water Sprinkler Suppression	Included

CERTIFICATION AND COMPLIANCE

International Standards	IEC 62619, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 63056
Shipping Compliance	UN38.3, UN3536

CONTAINER SPECIFICATIONS

Dimensions (HxWxD) [mm]	2896x6058x2438 (dimensions as per 6m shipping container)
Weight [Tons]	41.8

ADDITIONAL INFORMATION

Cell Balancing	Passive
Standard Warranty ¹	5 years
Warranty Extension ²	Up to 10 years

Notes to Specification Sheet

1. See warranty document for additional information.
2. Service level agreement options available upon request.

Speak to Our Team

Contact us for project enquiries, technical guidance or additional product information.

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