



MODEL: COR-5000-HVXA-14971164

COREVA 5

ELECTRICAL SPECIFICATIONS

Cell Capacity [Ah]	314
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Total Storage Capacity [kWh]	5015
Nominal Voltage [V] ¹	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)

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

COMMUNICATION

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

FIRE PROTECTION

Detection	Temperature, Smoke, Off-gas
Pack Level Suppression	Submerged fire extinguishing
Aerosol Suppression	Included
Water Sprinkler Suppression ²	Optional

CERTIFICATION AND COMPLIANCE

US Compliance	UL1642, UL1973, UL9540, UL9540A, NFPA 69, NFPA 855, NFPA 68
European Standards	IEC 62619, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 60068-2, IEC 62620, IEC 61427-1, IEC
Shipping Compliance	UN38.3, UN3536

CONTAINER SPECIFICATIONS

Dimensions (HxWxD) [mm]	2896x6058x2438 (dimensions as per 6m shipping container)
Weight [Tons] ³	≈ 44

ADDITIONAL INFORMATION

Cell Balancing Method	Active
Standard Warranty ⁴	5 years
Extended Warranty	10 years
Service Level Agreement	Available for maintenance plans up to 20 years

Notes to Specification Sheet

1. To suit [EPC Power CAB1000 3L.2](#) Inverter.
2. Option available upon request.
3. Requires special transportation arrangements.
4. See warranty document for additional information.

Speak to Our Team

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

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