



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] <sup>1</sup> | 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                                                             |

### 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 <sup>2</sup> | 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 61427-2, IEC 60730, IEC 63056, EU 2023-1542 |
| Shipping Compliance | UN38.3, UN3536                                                                                                                                            |

### CONTAINER SPECIFICATIONS

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

### ADDITIONAL INFORMATION

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Cell Balancing                  | Active                            |
| Customisation Options           | Additional water sprinkler system |
| Standard Warranty <sup>3</sup>  | 5 years                           |
| Warranty Extension <sup>4</sup> | Up to 10 years                    |

#### Notes to Specification Sheet

1. To suit [EPC Power CAB1000 3.2L](#) Inverter.
2. Option available upon request.
3. See warranty document for additional information.
4. 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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