

SOLVA DC261¹



Integrated DC Busbars



Integrated Liquid Cooling



Modular Pack Architecture



Built-in Fire Suppression

PARAMETERS

Cell Capacity [Ah]	314
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Total Energy Capacity [kWh]	261
System Depth of Discharge [%]	90
Nominal Voltage [V]	832
Max/Min. Operating Voltage [V]	936/728
Cell Configuration	1P52S per module, 5 modules per pack
Battery Pack Thermal Management System	Liquid Heating and Cooling

CONNECTION METHOD

External Hybrid Inverter Connection	Integrated DC Busbars - rated for 125kW
DC Cabinet Parallel Connection	A maximum of 12 cabinets can be connected in parallel (additional controller required). External inverters connected in AC parallel.
External Inverter Communication Interface	CAN Bus
DC Cable Entry	Bottom Entry

LIQUID THERMAL MANAGEMENT

Max. Auxiliary Power [kW]/Current [A]	2.8/13.4
Cooling Capacity [kW]	5
Heating Capacity [kW]	2

SYSTEM PARAMETERS

Dimensions (H×W×D) ±5 [mm]	2346x1050x1376
Weight [Tons]	2.5
Ingress Protection	IP55
Corrosion Protection Class	C5
Monitoring and Control	Built-in Cabinet Monitoring System (CMS) interfaces with site EMS for coordinated control, monitoring, and logging of BMS, and thermal systems. Includes local data storage and cloud synchronisation for remote access.
Communication Interface	RS485 (EMS), CAN (BMS), LAN (Network)
Protection	DC Breaker
Fire Suppression System	Aerosol

ENVIRONMENTAL PARAMETERS

Operating Temperature [°C]	-20 to 55
Operating Humidity [%]	≤95
Max. Operating Altitude [m]	Full load up to 2000m; above that, derate 10% per 1000m up to 4000m

GENERAL DATA

Standards & Certifications	UN38.3, IEC 62619, IEC62477, IEC60730, IEC61000, IEC60529
Standard Warranty	5 years (Warranty extension available)

Notes to Specification Sheet

1. 3 Model variants available - SOLVA AC261, SOLVA DC261, SOLVA RT261 - Refer to applicable specification sheet.

Speak to Our Team

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

Plug into The Current Future

www.freedomwon.co.za