

## SOLVA DC208

Integrated  
DC BusbarsIntegrated  
Liquid CoolingModular Pack  
ArchitectureBuilt-in  
Fire Suppression

## DC-SIDE PARAMETERS

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Cell Capacity [Ah]                     | 314                                  |
| Battery Chemistry                      | Lithium Iron Phosphate (LiFePO4)     |
| Total Energy Capacity [kWh]            | 208.8                                |
| System Depth of Discharge [%]          | 90                                   |
| Cycle Life                             | ≥8000 cycles                         |
| Nominal Voltage [V]                    | 665.6                                |
| Max/Min. Operating Voltage [V]         | 748.8/603.2                          |
| Max. Charge/Discharge Rate             | 0.5P                                 |
| Cell Configuration                     | 1P52S per module, 4 modules per pack |
| Battery Pack Thermal Management System | Liquid Heating and Cooling           |

## CONNECTION METHOD

|                                           |                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| External Hybrid Inverter Connection       | Integrated DC Busbars - rated for 100kW                                                                                              |
| 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] | 2000x1050x1350                                                                                                                                                                                                           |
| Weight [Tons]              | 2.3                                                                                                                                                                                                                      |
| Ingress Protection         | IP55                                                                                                                                                                                                                     |
| Corrosion Protection Class | C3 (C5 optional)                                                                                                                                                                                                         |
| 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 and fire hose adaptor for full water flooding                                                                                                                                                                    |

## 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                                 |
| Standard Warranty          | 5 years (Warranty extension available) |

Note: Images shown are representative only; actual appearance may vary by configuration.

## Speak to Our Team

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

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