

SOLVA AC261¹



Integrated
PCS



Integrated
Liquid Cooling



Modular Pack
Architecture



Built-in
Fire Suppression

DC-SIDE PARAMETERS

Cell Capacity [Ah]	314
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Total Energy Capacity [kWh]	261
System Depth of Discharge [%]	90
Cycle Life	≥8000 cycles
Nominal Voltage [V]	832
Max/Min. Operating Voltage [V]	936/728
Max. Charge/Discharge Rate	0.5P
Cell Configuration	1P52S per module, 5 modules per pack
Battery Pack Thermal Management System	Liquid Heating and Cooling
Integrated PCS rated power [kW]	125

AC CONNECTION PARAMETERS

System Output AC Voltage [V]	400
Rated Frequency [Hz]	50/60
Short Circuit Current [A]	450
AC Connection Method	(3P+N+PE) Three-Phase, Four-Wire System
Power Factor Range	Adjustable from 1.0 leading to 1.0 lagging, with full active or reactive power capability
Total Current Harmonic Distortion (THD-I) [%]	<2 (at Rated Power)
Isolation Type	Transformerless
Cable Entry	Bottom Entry

LIQUID THERMAL MANAGEMENT

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

SYSTEM PARAMETERS

Max. Round Trip Efficiency [%]	89
Dimensions (H×W×D) ±5 [mm]	2400x1050x1350
Weight [Tons]	2.7
Ingress Protection	IP55
Corrosion Protection Class	C4 (C5 optional)
Inverter Thermal Management System	Intelligent Air Cooling

Monitoring and Control	Built-in Cabinet Monitoring System (CMS) interfaces with site EMS for coordinated control, monitoring, and logging of BMS, PCS, and thermal systems. Includes local data storage and cloud synchronisation for remote access.
Communication Interface	RS485 (EMS), CAN (BMS), LAN (Network)
Parallel Configuration	On-Grid mode supports up to 24 cabinets in parallel. Off-Grid mode supports up to 6 cabinets in parallel.
Protection	AC overcurrent protection, AC overvoltage protection, AC short-circuit protection, anti-islanding protection, reverse polarity protection (DC side)
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	Full load ≤2000m; >2000m, derate 1%/100m; max 4000m

GENERAL DATA

Standards & Certifications	UN38.3, NRS097-2-1, AS/NZS4777.2 (optional version with: IEC62619, IEC63056, IEC62477-1, IEC61000-6-2/4)
Standard Warranty	5 years (Warranty extension available)

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

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.

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