

## SOLVA AC261<sup>1</sup>



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
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

### AC CONNECTION PARAMETERS

Integrated PCS rated power [kW]	125
System Output AC Voltage [V]	400
Rated Frequency [Hz]	50/60
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
Cooling Capacity [kW]	5
Heating Capacity [kW]	2

### SYSTEM PARAMETERS

System Total Efficiency [%]	≥88
Dimensions (H×W×D) ±5 [mm]	2346x1050x1376
Weight [Tons]	2.7
Ingress Protection	IP55
Corrosion Protection Class	C5
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), PARA (STS), LAN (Network)
Parallel Configuration	On-Grid mode supports up to 20 cabinets in parallel. Off-Grid mode supports up to 8 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

### 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, NRS 097-2-1, AS/NZS 4777.2:2020
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

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