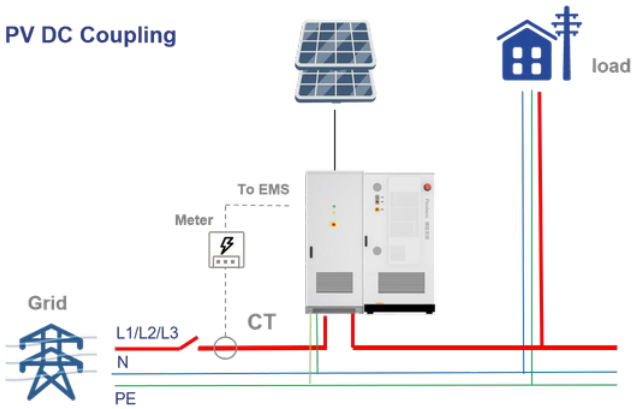
Z1 - M261 Series

Battery Cabinet



- **Introduction**

The M261series is an liquid cooling outdoor energy storage system specifically designed for industrial and commercial applications. It is configured with side cabinets that can integrate MPPT, ATS, and transformers, supporting both grid-connected and off-grid applications. The M261 can be paralleled with up to 10 units through master-slave cabinet configuration, and the maximum energy storage system can reach 2.61 MWh.



- **Safe**
  - 3-level BMS architecture and Holistic
  - Cell Data Management
  - 6-level electrical protection
  - Comprehensive fire protection system.

- **Efficient**
  - FullyiIntelligent liquid cooled temperature control
  - Extremely uniform temperature field to keep the system longer cycle life
  - Low auxiliary consumption
  - Higher RTE for lower electricity cost
  - integrated for plug and play on site to reduce costs

- **SMART**
  - Cloud plusMobile App
  - Active balancing
  - OSS system to make the O&M easier and more visible

- **Extensible**
  - Back-to-backand side-by-side installation
  - 1 to 10 cabinets configuration

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Technical data	Z1 - M261-E	Z1 -M208-E
DC side		
Cell type	LFP 3.2 V / 280 Ah	
System battery configuration	1P260S	1P208S
Nominal capacity	261.248kwh	208.998kWh
Nominal voltage range	715V--832V--936V	615V--665.6V-748V
AC side(on-grid)		
Nominal power	125 kW	105kw
Nominal voltage	400 V 3P+N+PE	
Voltage range	340 V ~ 440 V	
Nominal frequency	50 Hz / 60 Hz	
Frequency range	45Hz~55Hz/55Hz~65Hz	
Max.THD of current	< 3 % (Nominal power)	
Power factor range	1.0 leading ~ 1.0 lagging	
AC side(off-grid)*		
Nominal voltage	400V	
Nominal frequency	50 Hz / 60 Hz	
Max.THD of voltage	< 3 % (Linear load)	
Unbalance load capacity	100%	
System parameter		
PCS efficiency	99%	
System efficiency(chargeordischarge)	92%	
Dimensions (W *H*D)	1035mm*2350mm*1400mm	
Weight	2650kg(withoutsidebox)	2400kg (without side box)
Degree of protection	IP54	
Auxiliary power supply	InternalDC	
Anti-corrosion degree	C3(Default) /C4	
Operation humidity range	0%~100%	
Operation temperature range	-30℃ ~50℃ (>45℃ derating)	
Max. operating altitude	3000 m	
Temperature control method	Forced air cooling	
Noise	≤70dB(A)@ 1m	
Fire suppression system	Smokedetector,Heatdetector, Alarm sounder (Gasdetectorandexplosion vent window optional)	
Communication interface	Ethernet	
Communication protocol	Modbus TCP	
Design by Standard	IEC 62619, IEC 62477, IEC 61000, UN 38.3	GB/T 36276, GB/T 34120, GB/T 34131

Note： The product pictures are for reference only. Configurations vary by region, and changes to the actual product will not be notified separately.

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