



MODULAR OUTDOOR INTEGRATED CABINET

PSO50-80/100-200 Modular outdoor integrated cabinet



Product introduction:

The modular energy storage integrated cabinet can achieve efficient and safe design of building blocks from 100KWH small energy storage unit to MWH large-scale energy storage power station, solving the industry common problems such as low system safety, high parallel loss rate, short system life and so on existing in the traditional centralized energy storage solution, and defining a new solution for energy storage system integration.

Performance characteristics:

- Highly integrated. All in one, factory prefabricated design. Flexible deployment, plug and play
- Safe and efficient. High efficient neutral point clamped topological structure. Support EMS and BMS system linkage
- Intelligent and friendly. Programmable working mode, touch screen control. Support photovoltaic AC coupling, DC coupling access
- Grid friendly. Equipped with four-quadrant adjustment function for active and reactive power. Equipped with LVRT and HVRT functions

Model	PSO-50-80	PSO-100-200
Efficiency		
Maximum efficiency	95%	
Battery cluster parameters		
String formation method	8S	14/16S
Rated voltage (V)	768	672/768
Working voltage (V)	696-852	609-745.5/696-852
Rated capacity (kWh)	80	150-240
Support charging and discharging power	≤1C	
AC grid connection parameters		
Grid connection	3 phase 4 wires/ 3 phase 3 wires	
Rated output power (KW)	50	100
Maximum apparent power (KVA)	55	110
Grid voltage range (V)	400±15%	
Rated grid frequency (Hz)	50/60	
Maximum output current (A)	145	
Adjustable power factor	-0.99 ~ +0.99	
Maximum total current harmonic distortion rate	< 3	
AC off-grid parameters		
Rated output power (KW)	50	100
Maximum apparent power (KVA)	55	110
Rated output voltage (V)	400	
Rated grid frequency (Hz)	50/60	
Other parameters		
Working temperature range (°C)	-25 ~ +55	
Humidity (% RH)	0 ~ 95, non-condensing	
Altitude (m)	4000 (De-rating power from 2000)	
Cooling Type	Industrial air conditioning (battery storage)/Intelligent Air cooling (electrical storage)	
Display	10 inch display screen	
Communication	CAN/485/TCP IP	
Weight (KG)	2000	3600
Size (D*W*H) mm	900*1500*2300	900*2230*2300
Protection grade	IP54 (Key device IP65)	