



ENERGY STORAGE SYSTEM

PPG2 PV&Battery energy storage integrated machine



Product introduction:

PPG2 optical storage integrated machine products integrate energy storage converters and photovoltaic inverters, which can efficiently utilize photovoltaic power generation, reduce the workload of installation sites, reduce the integration difficulty of integrate for supplier, and meet the storage integration application needs of small and medium-sized microgrids and industrial and commercial buildings.

Performance characteristics

- Intelligent switching operation strategy. It can be directly connected to the photovoltaic panel for charging, eliminating the loss in the power transmission process and improving the stability of the output current; it can also be applied to the photovoltaic storage integrated machine to convert the photovoltaic output current into the available electricity of the grid, improving economic benefits.
- Flexible configuration. The maximum power that can be connected to twice the equipment capacity, up to 200KW, improves the flexibility of product configuration in areas without electricity.
- MPPT photovoltaic maximum power tracking. It can detect the power generation voltage of the photovoltaic panel in real time, so that the system can charge the battery with the maximum power output and increase the power generation of the system.
- Optional outdoor version. It can effectively reduce the construction cost in remote areas. IP54 protection grade, can perfectly deal with various types of outdoor weather

Model	50KW	100KW
Battery side parameters		
DC voltage range (V)	250-520 (Rated 400)	
DC maximum current (A)	150	300
PV side parameters		
PV voltage range (V)	520-900	
Maximum PV current (A)	110	220
Maximum PV power (KW)	100	200
AC grid connection parameters		
Rated grid voltage (V)	400±15%	
Grid frequency range (Hz)	50/60±2.5	
System parameters		
Isolation method	Power frequency isolation	
Cooling method	forced air cooling	
Protection class	IP20/IP54	
Dimensions (D*W*H) mm	800*800*2160 / 800*1000*2160 (outdoor version)	
Communication method		
Host computer communication method	ModBus C TCP/IP	
Communication interface	Ethernet port, RS485, CAN	