

430kWh

Commercial and Industrial Photovoltaic
Energy Storage System



■ Product characteristics

☑ Flexible configuration

- Support multiple parallel to MW level.
- Multiple communication meet customer's self-scheduling.

☑ Smart and user-friendly

- 7-inch touchscreen for easy and convenient operation.
- Built-in Energy Management System (EMS) with.

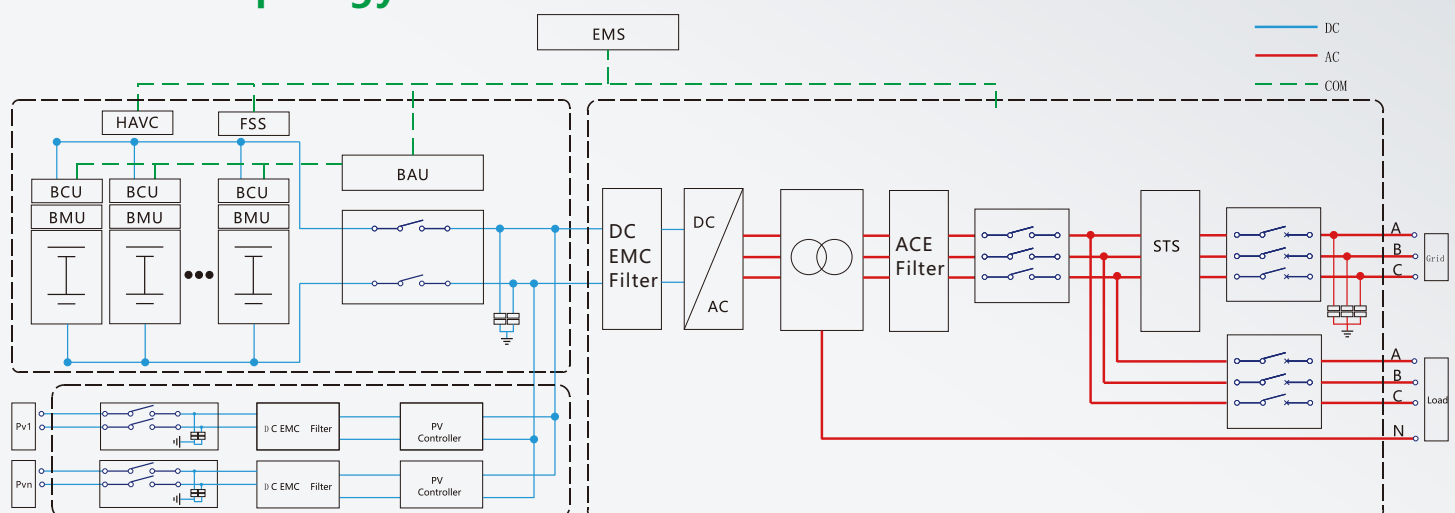
☑ Smart and Efficient

- Modular design for quick installation.
- IP55 protection to meet outdoor installation requirements.

☑ Safe and Reliable

- High-quality cells with a cycle life over 6000 cycles.
- Efficient thermal management design and active fire protection system to ensure system safety.

■ Product topology



■ Technical index

Product Model		360kWp-250kW-430kWh	100kWp-100kW-430kWh
BatterySystem Parameters			
Cell Type	LFP,3.2V280Ah		
Battery Module	64V280Ah,17.92kWh,140.5kg		
Number of Battery Modules	24PCS		
Rated Energy	430.08kWh		
Rated Voltage	768V		
Vdtage Rang	696.0-852.0V(Cell:2.9-3.55Vdc)		
Charge and Discharge Rate	0.5C	0.25C	
DOD	95%		
Lifetime	6000 cycle		
Coding Method	Air conditioning with forced air cooling		
Fire protection system	Aerosols/perfluorohexanone		
AC Output Parameters			
Rated Power	250kVA	100kVA	
Rated Voltage	400Vac	400Vac	
Rated Curtent	361A	145A	
Rated Voltage	50/60Hz	50/60Hz	
THD	<3%		
THDu	<1%linear;<5%nonlinearity		
Overoad Capacity	110% Longterm		
solationMethod	Transfommer isolation		
PV Input Parameters			
Mavximum Photovdltaic Input Voltage	1000Vdc	720Vdc	
Mavimum Photovdltaic Power	360kW	100kW	
MPPT Operating Voltage Range	250-850Vdc	200-720Vdc	
MPPT Fu-oad Voltage Rang	450-850Vdc	210-850Vdc	
Commurication Interface	R5485/Ethernet/CAN	R5485/CAN	
Communication Protocal	ModbusRTU,ModbusTCP		
System Parameters			
Communication Interface(EM5)	R5485/Ethernet		
Installatio Location	Outdoor installation		
IP Grade	IP55		
Comosion-proof Grade	C5		
Operating Humidity Range	0~95%(non condensing)		
Operating Temperature Range	-30℃- +55℃		
Mavimum Warking Altitude	4000m(>3000m) derating		
Dimensions(L*W*H)	2991*2438*2591mm		
Weight	About 8.5T	About 8T	

