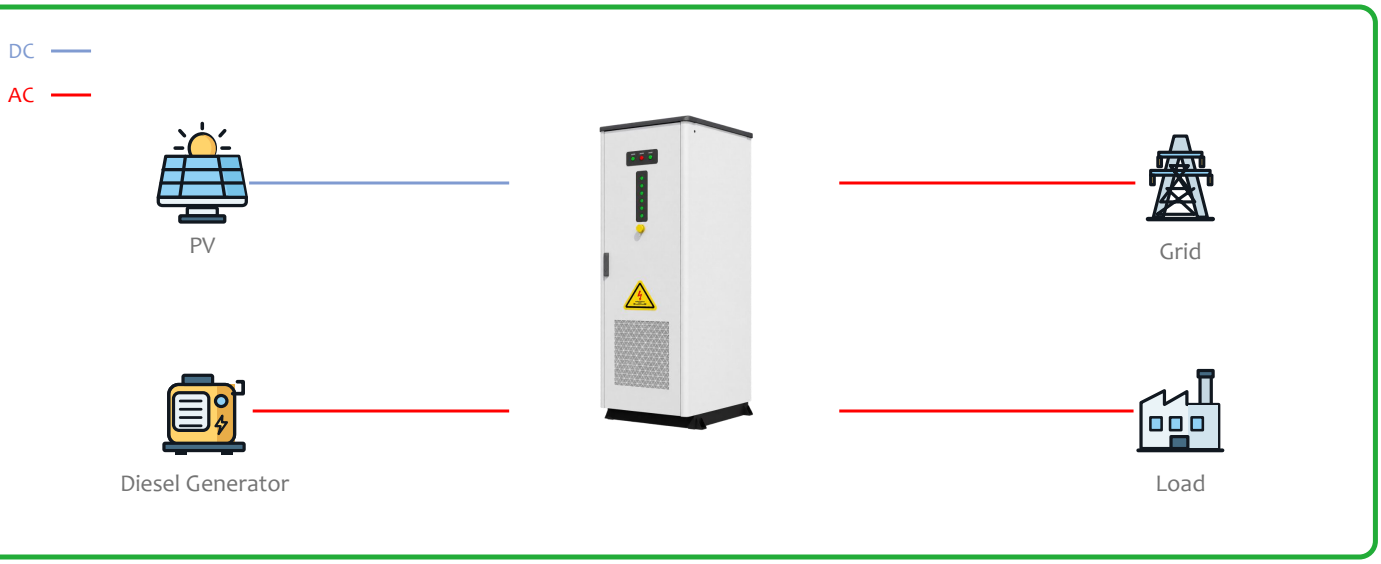
Solar-Diesel BESS Cabinet (Air Cooling)

BESS: Battery Energy Storage System

50 kW / 100 kWh and 60 kW / 120 kWh-HX1



- LiFePO4 Battery+BMS/PCS/EMS +MPPT+Generator Port
- On/Off-grid switching time < 20 ms
- Supports multiple units in parallel
- Integrated fire protection and air conditioning



Model	100 kWh+50 kW CS-B100-50H3S-75M2-HX1	120 kWh+60 kW CS-B120-60H3S-75M2-HX1
Battery		
Battery Type	LiFePO4 Battery	
Rated Energy	100 kWh	120 kWh
PV		
Max. Power	75 kW (2 channels)	
Max. PV Voltage	850 Vdc	
MPPT Voltage Range	200~800 Vdc	
Max. PV Input Current	60 A+60 A	
MPPT Channels	2	
AC (On-grid)		
Rated Power	55 kW	60 kW
AC Voltage	400 Vac/230 Vac(L1/L2/L3/N/PE)	
Rated Frequency	50 Hz/60 Hz	
Max. AC Current	80 A	90 A
AC (Off-grid)		
Rated Power	55 kW	60 kW
AC Voltage	400 Vac/230 Vac(L1/L2/L3/N/PE)	
Rated Frequency	50 Hz/60 Hz	
Max. AC Current	80 A	90 A
Switching Time	< 20 ms	
General Parameters		
Diesel Generator Port	Yes	
Communication Type	RS485/WiFi	
IP Grade	IP54	
Fire Protection System	Yes	
Operating Temperature	-10 °C~50 °C	
Humidity Range	5%~95%	
Altitude	<3000 m	
Battery Cooling Method	Air-Conditioner	
PCS Cooling Method	Intelligent cooling	
Size (mm)	740×1348×2280 mm	740×1348×2280 mm
Weight (kg)	1200 kg (approx.)	1320 kg (approx.)

* Specifications are for reference only; the actual product shall prevail. Customization is available.

