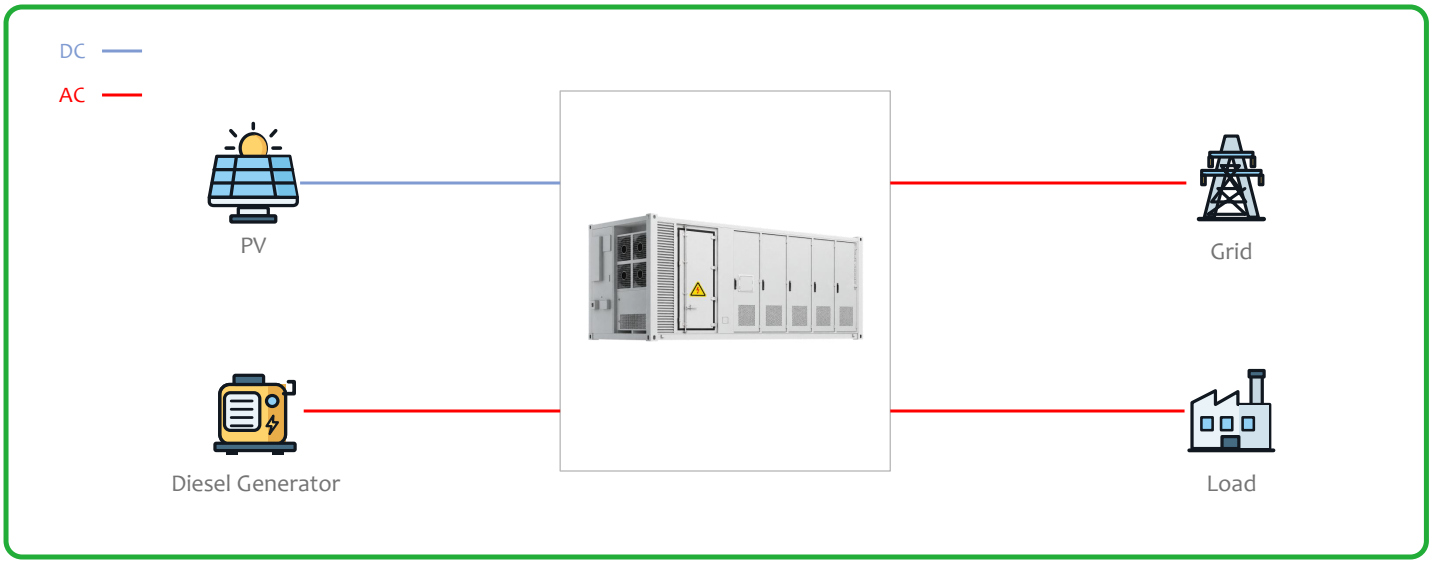
Solar-Diesel BESS Container (Liquid Cooling)

BESS: Battery Energy Storage System

500 kW / 1 MWh, 750 kW / 1.5 MWh, 1 MW / 2 MWh



- LiFePO4 Battery+BMS/PCS/EMS +MPPT+Generator Port
- On/Off-grid switching time < 20 ms
- Supports American standard voltage
- Compatible with standard 20 ft high-cube container for transportation



Model	1 MWh+500 kW CS-CB1ML-500H3S-480M4-HN1	1.5 MWh+750 kW CS-CB1M5L-750H3S-720M6-HN1	2 MWh+1 MW CS-CB2ML-1MH3S-960M8-HN1
Battery			
Battery Type		LiFePO4 Battery	
Rated Energy	1 MWh	1.5 MWh	2 MWh
Nominal Voltage		832 V	
Rated Capacity	1256 Ah	1884 Ah	2512 Ah
PV			
Max. Power	480 kW (4 channels)	720 kW (6 channels)	960 kW (8 channels)
Max. PV Voltage		950 Vdc	
MPPT Voltage Range		250~850 Vdc	
Max. PV Input Current	200 A+200 A+200 A+200 A	200 A+200 A+200 A+200 A+200 A+ 200 A	200 A+200 A+200 A+200 A +200 A+200 A+200 A+200 A
MPPT Channels	4	6	8
AC (On-grid)			
Rated Power	500 kW	750 kW	1000 kW
AC Voltage		440 Vac/254 Vac,480 Vac/277 Vac	
Rated Frequency		50 Hz/60 Hz	
Max. AC Current	750 A	1100 A	1500 A
AC (Off-grid)			
Rated Power	500 kW	750 kW	1000 kW
AC Voltage		440 Vac/254 Vac,480 Vac/277 Vac	
Rated Frequency		50 Hz/60 Hz	
Max. AC Current	750 A	1100 A	1500 A
Switching Time		< 20 ms	
General Parameters			
Diesel Generator Port		Yes	
Communication Type		RS485/Ethernet/4G	
IP Grade		IP65 (Battery)	
Fire Protection System		Yes	
Operating Temperature		-10 °C~55 °C	
Humidity Range		5%~95%	
Altitude		< 2000 m	
Battery Cooling Method		Liquid cooling	
PCS Cooling Method		Intelligent cooling	
Size (mm)	6058×2438×2896 mm	6058×2438×2896 mm	6058×2438×2896 mm
Weight (kg)	17500 kg (approx.)	21500 kg (approx.)	25500 kg (approx.)

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

