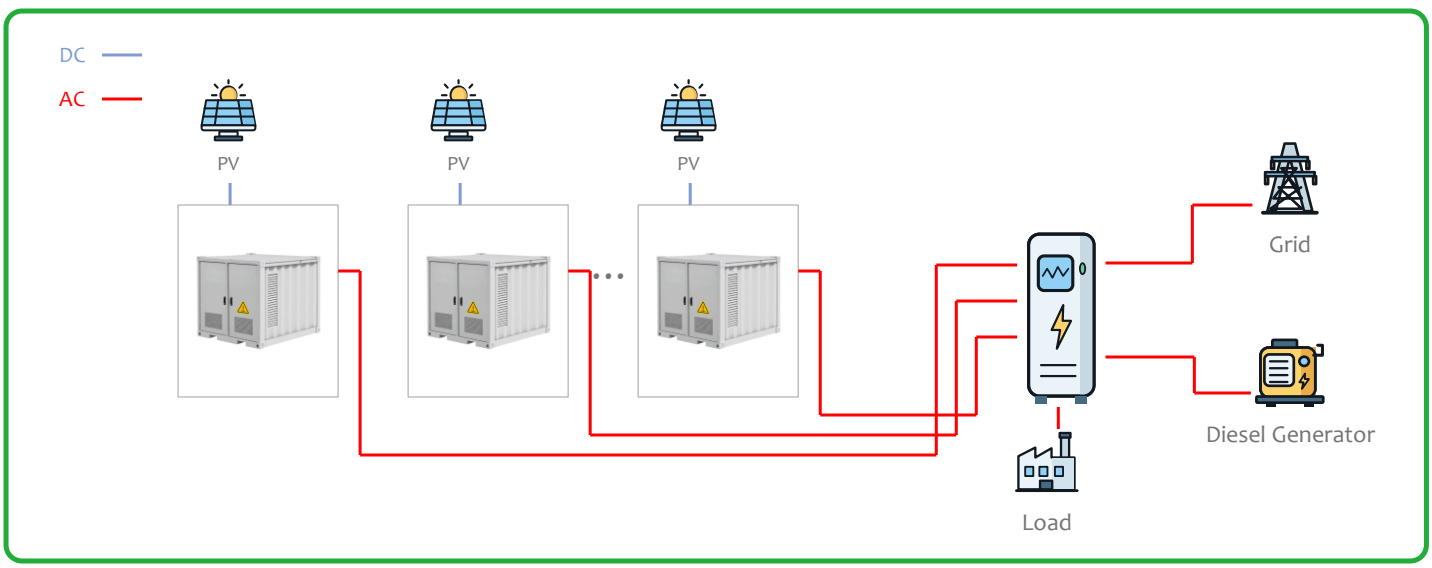
Solar-Diesel BESS Container (Liquid Cooling)

BESS: Battery Energy Storage System

250 kW / 522 kWh



- 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	522 kWh+250 kW CS-CB522L-250H3S-240M2-HN1	522 kWh+250 kW CS-CB522L-250H3S-480M4-HN1
Battery		
Battery Type	LiFePO4 Battery	
Rated Energy	522 kWh	522 kWh
PV		
Max. Power	240 kW (2 channels)	480 kW (4 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
MPPT Channels	2	4
AC (On-grid)		
Rated Power	250 kW	
AC Voltage	440 Vac/254 Vac,480 Vac/277 Vac	
Rated Frequency	50 Hz/60 Hz	
Max. AC Current	375 A	
AC (Off-grid)		
Rated Power	250 kW	
AC Voltage	440 Vac/254 Vac,480 Vac/277 Vac	
Rated Frequency	50 Hz/60 Hz	
Max. AC Current	375 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~50 °C	
Humidity Range	5%~95%	
Altitude	<3000 m	
Battery Cooling Method	Liquid cooling	
PCS Cooling Method	Intelligent cooling	
Size (mm)	2500×2200×2200 mm	2500×2200×2200 mm
Weight (kg)	5650 kg (approx.)	5700 kg (approx.)

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

