

Solar-Diesel BESS Cabinet and Container
储能/光储/光储柴微网一体柜/一体舱



LV Solar-Diesel BESS Cabinet(IP20&IP54)

低压光储柴微网一体柜 (IP20&IP54)



LiFePO₄ Battery + BMS/EMS/PCS
+ MPPT + Generator Port



Support PV and Grid charging



48V low voltage LiFePO₄ Battery



Battery Model	★ 48kWh+25kW/IP20	★ 64kWh+25kW/IP20	★ 48kWh+25kW/IP54	★ 64kWh+25kW/IP54
Battery Energy	48kWh/51.2V	64kWh/51.2V	48kWh/51.2V	64kWh/51.2V
PCS	25kW	25kW	25kW	25kW
MPPT Power	36kW(6 channels)	36kW(6 channels)	36kW(6 channels)	36kW(6 channels)
MPPT Voltage Range	90~450Vdc	90~450Vdc	90~450Vdc	90~450Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP20	IP20	IP54	IP54
Generator	Yes	Yes	Yes	Yes
Communication	RS485/WiFi	RS485/WiFi	RS485/WiFi	RS485/WiFi
Size (mm)	670*900*1560mm	670*900*1560mm	750*950*1580mm	750*950*1580mm
Approx. Weight (kg)	550kg	650kg	600kg	700kg

Solar-Diesel BESS Cabinet Air Cooling (50kWh~120kWh)

光储柴微网一体柜 (风冷欧标系列)



Supports multiple units in parallel



On/Off-grid switching time<10ms



LiFePO₄ Battery + BMS/EMS/PCS
+MPPT + Generator Port

Battery Model	52kWh+25kW-HX1	★ 65kWh+30kW-HX1	★ 100kWh+50kW-HX1	★ 120kWh+60kW-HX1
Battery Energy	52kWh	65kWh	100kWh	120kWh
PCS	25kW	30kW	50kW	60kW
MPPT Power	38kW(2 channels)	38kW(2 channels)	75kW(2 channels)	75kW(2 channels)
MPPT Voltage Range	200~800Vdc	200~800Vdc	200~800Vdc	200~800Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP54	IP54	IP54	IP54
Generator	Yes	Yes	Yes	Yes
Size (mm)	665*950*2100mm	665*950*2100mm	740*1348*2280mm	740*1348*2280mm
Approx. Weight (kg)	900kg	1000kg	1200kg	1320kg

Solar-Diesel BESS Cabinet Air Cooling & Liquid Cooling (140-209kWh)

光储柴微网一体柜 (风冷和液冷)

-  Supports multiple units in parallel
-  On/Off-grid switching time<10ms
-  LiFePO₄ Battery + BMS/EMS/PCS +MPPT + Generator Port



Battery Model	140kWh+60kW	160kWh+60kW	★ 201kWh+60kW	156kWh+60kW Liquid Cooling	209kWh+60kW Liquid Cooling
Battery Energy	140kWh	160kWh	201kWh	156kWh	209kWh
PCS	60kW	60kW	60kW	60kW	60kW
MPPT Power	75kW(2 channels)	75kW(2 channels)	75kW(2 channels)	75kW(2 channels)	75kW(2 channels)
MPPT Voltage Range	200~800Vdc	200~800Vdc	200~800Vdc	200~800Vdc	200~800Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP54	IP54	IP54	IP65(Battery)	IP65(Battery)
Generator	Yes	Yes	Yes	Yes	Yes
Size (mm)	1200*1300*1800mm	1200*1300*1800mm	1800*1250*2050mm	1000*1350*2080mm	1000*1350*2080mm
Approx. Weight (kg)	1700kg	1900kg	2000kg	1700kg	2100kg

Solar-Diesel BESS Cabinet Air Cooling (200kWh~250kWh)

光储柴微网一体柜 (风冷)



-  Supports multiple units in parallel
-  On/Off-grid switching time<10ms
-  LiFePO₄ Battery + BMS/EMS/PCS +MPPT + Generator Port

Battery Model	221kWh+60kW	★ 221kWh+125kW	241kWh+60kW	★ 241kWh+125kW
Battery Energy	221kWh	221kWh	241kWh	241kWh
PCS	60kW	125kW	60kW	125kW
MPPT Power	75kW(2 channels)	120kW 1 channel (4 channels optional)	75kW(2 channels)	120kW 1 channel (4 channels optional)
MPPT Voltage Range	200~800Vdc	250~850Vdc	200~800Vdc	250~850Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP54	IP54	IP54	IP54
Generator	Yes	Yes	Yes	Yes
Size (mm)	1200*1220*2260mm	1200*1250*2260mm	1200*1220*2260mm	1200*1250*2260mm
Approx. Weight (kg)	2100kg	2350kg	2300kg	2500kg

Solar / Solar-Diesel BESS Cabinet Liquid Cooling (261kWh Series)

储能/光储柴微网一体柜-国内版/欧洲认证版/亚非拉版(液冷)

-  IP65 waterproof (Battery)
-  Supports multiple units in parallel
-  Easy installation and maintenance



Battery Model	261kWh+125kW BESS(国内并网版)	261kWh+125kW BESS(欧洲认证版)	261kWh+125kW Solar-DieselBESS(亚非拉光储柴)	261kWh+250kW Solar-DieselBESS(亚非拉光储柴)
Battery Energy	261kWh	261kWh	261kWh	261kWh
PCS	125kW	125kW	125kW	250kW
MPPT Power	/	/	120kW(光伏外置) 1 channel (4 channels optional)	240kW(2 channels)
MPPT Voltage Range	/	/	250~850Vdc	250~850Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Parallel	/	12	12	6
Generator	/	/	Yes	Yes
Size (mm)	980*1350*2100mm	980*1350*2100mm	980*1350*2350mm	1620*1350*2000mm
Approx. Weight (kg)	2400kg	2400kg	2500kg	2550kg

Solar-Diesel BESS Cabinet Liquid Cooling (418-522kWh Series)

光储柴微网一体柜(液冷)



-  IP65 waterproof (Battery)
-  On/Off-grid switching time<10ms
-  LiFePO4 Battery + BMS/EMS/PCS
+ MPPT + Generator Port

Battery Model	418kWh+125kW	418kWh+215kW	★ 522kWh+250kW
Battery Energy	418kWh	418kWh	522kWh
PCS	125kW	215kW	250kW
MPPT Power	120kW 1 channel (4 channels optional)	240kW(2 channels)	240kW(2 channels)
MPPT Voltage Range	250~850Vdc	250~850Vdc	250~850Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)
Parallel	6	6	6
Generator	Yes	Yes	Yes
Size (mm)	2000*1350*2100mm	2000*1350*2100mm	2570*1350*2050mm
Approx. Weight (kg)	4150kg	4200kg	4900kg

Solar-Diesel BESS Cabinet (Hybrid Inverter)

光储柴微网一体柜(混合逆变系列)



Integrate hybrid inverters and EMS



Split hybrid inverter independent thermal dissipation



LiFePO₄ Battery + BMS/EMS/PCS + MPPT + Generator Port



Battery Model	100kWh+50kW	★ 120kWh+60kW-认证款	201kWh+100kW	209kWh+100kW Liquid Cooling	★ 261kWh+125kW-认证款 Liquid Cooling
Battery Energy	100kWh	120kWh	201kWh	209kWh	261kWh
PCS	50kW	60kW	100kW	100kW	125kW
MPPT Power	100kW(4 channels)	100kW(4 channels)	200kW(10 channels)	200kW(10 channels)	200kW(10 channels)
MPPT Voltage Range	150~850Vdc	150~850Vdc	150~950Vdc	150~950Vdc	150~950Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP54	IP54	IP54	IP65(Battery)	IP65(Battery)
Parallel	6	6	6	6	6
Generator	Yes	Yes	Yes	Yes	Yes
Size (mm)	1050*1200*1860mm	1154*1364*2100mm	1050*1200*1860mm	980*1350*2200mm	1450*1350*2050mm
Approx. Weight (kg)	1250kg	1320kg	1500kg	2500kg	2570kg

Solar-Diesel BESS Cabinet(1P Series)

光储柴微网一体柜(1P系列)



Supports 1C high current discharge



On/Off-grid switching time < 10ms



LiFePO₄ Battery + BMS/EMS/PCS + MPPT + Generator Port

Battery Model	65kWh+60kW	105kWh+100kW	★ 158kWh+150kW	★ 265kWh+250kW Liquid Cooling
Battery Energy	65kWh	105kWh	158kWh	265kWh
PCS	60kW	100kW	150kW	250kW
MPPT Power	75kW(2 channels)	120kW 1 channel (4 channels optional)	120kW 1 channel (4 channels optional)	240kW(2 channels)
MPPT Voltage Range	200~800Vdc	250~850Vdc	250~850Vdc	250~850Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
IP Grade	IP54	IP54	IP54	IP65(Battery)
Parallel	3	6	6	6
Generator	Yes	Yes	Yes	Yes
Size (mm)	750*620*1950mm	1200*1100*1800mm	1200*1200*1800mm	1620*1350*2000mm
Approx. Weight (kg)	1000kg	1500kg	1870kg	2600kg

Solar-Diesel BESS Cabinet and Container (Turbo Series)

光储柴微网一体柜/一体舱 (Turbo系列)



Integrated isolation transformer



On/Off-grid switching time<10ms



LiFePO₄ Battery + BMS/EMS/PCS + MPPT + Generator Port



Battery Model	★ 241kWh+125kW	★ 261kWh+125kW Liquid Cooling	★ 522kWh+250kW Liquid Cooling
Battery Energy	241kWh	261kWh	522kWh
PCS	125kW	125kW	250kW
MPPT Power	240kW(2 channels)	240kW(2 channels)	240kW(2 channels)
MPPT Voltage Range	250~850Vdc	250~850Vdc	250~850Vdc
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
Transformer	Yes	Yes	Yes
Generator	Yes	Yes	Yes
Parallel	12	12	6
IP Grade	IP54	IP65(Battery)	IP65(Battery)
Size (mm)	1600*1250*2260mm	1620*1350*2350mm	2570*1350*2050mm
Approx. Weight (kg)	2800kg	3100kg	5300kg

230Vac &480Vac 3-Phase Series/American Std. Voltage Solar-Diesel BESS Cabinet

光储柴微网一体柜 (美标/日规系列)



Supports American & Japan standard voltages
(208Vac/230Vac/440Vac/480Vac)



On/Off-grid switching time<10ms



LiFePO₄ Battery + BMS/EMS/PCS
+ MPPT + Generator Port

Battery Model	65kWh+30kW/230Vac	★ 100kWh+50kW/230Vac	★ 241kWh+125kW/230Vac	241kWh+125kW/480Vac	261kWh+125kW/480Vac Liquid Cooling
Battery Energy	65kWh	100kWh	241kWh	241kWh	261kWh
PCS	30kW	50kW	125kW	125kW	125kW
MPPT Power	38kW(2 channels)	75kW(2 channels)	120kW 1 channel (4 channels optional)	120kW 1 channel (4 channels optional)	120kW 1 channel (4 channels optional)
MPPT Voltage Range	200~800Vdc	200~800Vdc	250~850Vdc	250~850Vdc	250~850Vdc
AC Voltage	208Vac/120Vac, 230Vac/133Vac	208Vac/120Vac, 230Vac/133Vac	208Vac/120Vac, 230Vac/133Vac	440Vac/120Vac, 480Vac/277Vac	440Vac/120Vac, 480Vac/277Vac
IP Grade	IP54	IP54	IP54	IP54	IP65(Battery)
Parallel	3	3	10	10	6
Generator	Yes	Yes	Yes	Yes	Yes
Size (mm)	750*920*1950mm	740*1348*2350mm	1600*1300*2260mm	1600*1300*2260mm	1600*1300*2320mm
Approx. Weight (kg)	900kg	1300kg	2650kg	2650kg	2800kg

Solar-Diesel BESS Container Liquid Cooling (8ft / 10ft)

光储柴微网一体舱液冷(8尺柜和10尺柜)

-  Supports multiple units in parallel
-  On/Off-grid switching time<10ms
-  IP65 waterproof (Battery)



Battery Model	522kWh+250kW(8ft) Liquid Cooling	1MWh+500kW(10ft) Liquid Cooling
Battery Energy	522kWh	1MWh
PCS	250kW	500kW
MPPT Power	240kW(2 channels)	480kW(4 channels)
MPPT Voltage Range	250~850Vdc	250~850Vdc
Rated AC Current	375A	750A
AC Voltage	400Vac/230Vac	400Vac/230Vac
IP Grade	IP65(Battery)	IP65(Battery)
Generator	Yes	Yes
Size (mm)	2500*2200*2200mm-8ft	2991*2438*2896mm-10ft
Approx. Weight (kg)	5500kg	10500kg

Solar-Diesel BESS Container Air Cooling (20ft)

光储柴微网一体舱风冷(20尺柜)



-  Supports multiple units in parallel
-  On/Off-grid switching time<10ms
-  LiFePO4 Battery + BMS/EMS/PCS + MPPT +Generator Port

Battery Model	20GP-(1MWh+500kW)	20GP-(1.5MWh+750kW)	20GP-(2MWh+1MW)
Battery Energy	1MWh	1.5MWh	2MWh
PCS	500kW	750kW	1000kW
Rated AC Current	750A	1130A	1500A
Rated Grid Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
MPPT Power	480kW(4 channels)	720kW(6 channels)	960kW(8 channels)
MPPT Voltage Range	250~850Vdc	250~850Vdc	250~850Vdc
IP Grade	IP54	IP54	IP54
Generator	Yes	Yes	Yes
Size (mm)	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	12000kg	15500kg	20000kg

Solar-Diesel BESS Container Liquid Cooling (20ft)

光储柴微网一体舱液冷(20尺柜)

-  Supports multiple units in parallel
-  On/Off-grid switching time<10ms
-  LiFePO₄ Battery+BMS/EMS/PCS+MPPT+GeneratorPort



Battery Model	★ 20GP-1MWh+500kW	★ 20GP-1.5MWh+750kW	★ 20GP-2MWh+1MW	★ 20GP-2MWh+1MW-AC Coupling
Battery Energy	1MWh	1.5MWh	2MWh	2MWh
PCS	500kW	750kW	1000kW	1000kW
Rated AC Current	750A	1130A	1500A	1500A
Rated Grid Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
MPPT Power	480kW(4 channels)	720kW(6 channels)	960kW(8 channels)	Solar Inverter: 125kW(8-10 Pieces)
MPPT Voltage Range	250~850Vdc	250~850Vdc	250~850Vdc	200~950Vdc
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Generator	Yes	Yes	Yes	Yes
Size (mm)	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	11500kg	15500kg	23500kg	23500kg

On-Grid BESS Container Liquid Cooling-(400Vac)

储能并网一体舱液冷



-  Integrated BMS/PCS/EMS
-  Space-saving with a small footprint
-  IP65 waterproof (Battery)

Battery Model	★ 1MWh+500kW	★ 1.5MWh+750kW	★ 2MWh+1MW	★ 2.6MWh+1.25MW	3.6MWh+1.75MW
Battery Energy	1MWh	1.5MWh	2MWh	2.6MWh	3.6MWh
PCS	500kW	750kW	1MW	1.25MW	1.75MW
AC Voltage	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac	400Vac/230Vac
AC Rated Power	500kW	750kW	1MW	1.25MW	1.75MW
Max. AC Current	750A	1100A	1500A	1800A	2650A
Communication	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	11500kg	17000kg	23500kg	25000kg	35000kg