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C&I Energy Storage Catalog

Commercial and Industrial Energy Storage System



Since 2003

LV&HV LiFePO₄ Battery Cabinets and Containers

低压电池柜&高压电池柜&高压电池舱（IP20/IP54/IP65）



Low Voltage LiFePO4 Battery Rack | Cabinet - IP20

低压机架储能电池-IP20

-  Standard rack-mount modular design for flexible capacity expansion & easy deployment
-  Compatible with mainstream 48V-class-low-voltage Solar & energy storage inverters
-  Grade-A LFP cells for ultra-long cycle life



Battery Model	★ 48kWh	★ 64kWh	★ 80kWh	★ 96kWh
Battery	51.2V942Ah	51.2V1256Ah	51.2V1570Ah	51.2V1884Ah
Module Specification	51.2V314Ah	51.2V314Ah	51.2V314Ah	51.2V314Ah
Modules of Numbers	3	4	5	6
End-of-Charge Voltage	58.0V	58.0V	58.0V	58.0V
End-of-Discharge Voltage	42.0V	42.0V	42.0V	42.0V
Max. Charge Current	200A	200A	200A	200A
Max. Discharge Current	200A	200A	200A	200A
IP Grade	IP20	IP20	IP20	IP20
Size (mm)	400*700*735mm	400*700*1000mm	700*400*1245mm	700*400*1500mm
Approx. Weight (kg)	320kg	425kg	530kg	636kg

LiFePO4 Rack-Stacked Battery Cabinet (Air Cooling)-IP20

堆叠机架储能电池柜（风冷）-IP20



-  Multi-layer protection architecture
-  Compatible with mainstream high-voltage Solar & energy storage inverters
-  The rack is detachable for easy packaging and transportation

Battery Model	★ 201kWh	★ 221kWh	★ 241kWh	★ 261kWh
Battery Voltage	640V	704V	768V	832V
Module Specification	64V314Ah	64V314Ah	64V314Ah	64V314Ah
Modules of Numbers	10	11	12	13
End-of-Charge Voltage	720V	792V	864V	936V
End-of-Discharge Voltage	560V	616V	672V	728V
Max. Charge Current	150A	150A	150A	150A
Max. Discharge Current	200A	200A	200A	200A
IP Grade	IP20	IP20	IP20	IP20
Single-row Size (mm)	660*1300*950mm	660*1300*950mm	660*1300*950mm	660*1300*950mm
Approx. Weight (kg)	1675kg	1830kg	1950kg	2085kg

LiFePO4 Battery Cabinet (Air Cooling)-IP20

储能电池柜(风冷)-IP20

-  Multi-layer protection architecture
-  Compatible with mainstream high-voltage solar& energy storage inverters
-  The rack is detachable for easy packaging and transportation



Battery Model	★ 65kWh	★ 105kWh	112kWh	128kWh	201kWh	★ 241kWh
Battery Voltage	320V	512V	358.4V	409.6V	640V	768V
Module Specification	64V206Ah	64V206Ah	51.2V314Ah	51.2V314Ah	64V314Ah	64V314Ah
Modules of Numbers	5	8	7	8	10	12
End-of-Charge Voltage	360V	576V	403V	460V	720V	864V
End-of-Discharge Voltage	280V	448V	313V	358V	560V	672V
Max. Charge Current	100A	100A	100A	100A	150A	150A
Max. Discharge Current	200A	200A	200A	200A	200A	200A
IP Grade	IP20	IP20	IP20	IP20	IP20	IP20
Size (mm)	660*950*1385mm	1160*950*1150mm	550*745*1950mm	1050*790*1350mm	1160*1220*1400mm	1160*1200*1620mm
Approx. Weight (kg)	650kg	1150kg	830kg	1080kg	1950kg	2250kg

LiFePO4 Battery Cabinet (Air Cooling)-IP54

储能电池柜(风冷)-IP54



-  Multi-layer protection architecture
-  Compatible with mainstream high-voltage Solar & energy storage inverters
-  The rack is detachable for easy packaging and transportation

Battery Model	112kWh	128kWh	209kWh	★ 120kWh	201kWh	★ 241kWh
Battery Voltage	358V	409.6V	665.6V	384V	640V	768V
Module Specification	51.2V314Ah	51.2V314Ah	51.2V314Ah	64V314Ah	64V314Ah	64V314Ah
Modules of Numbers	7	8	13	6	10	12
End-of-Charge Voltage	403V	460V	749V	432V	720V	864V
End-of-Discharge Voltage	313V	358V	582V	336V	560V	672V
Max. Charge Current	100A	100A	100A	150A	150A	150A
Max. Discharge Current	200A	200A	200A	200A	200A	200A
IP Grade	IP54	IP54	IP54	IP54	IP54	IP54
Size (mm)	660*1060*1855mm	1160*1060*1150mm	1160*1060*1855mm	660*1200*1260mm	1160*1220*1385mm	1160*1200*1620mm
Approx. Weight (kg)	1320kg	1450kg	2050kg	1250kg	1950kg	2250kg

LiFePO4 Battery Cabinet (Liquid Cooling)-IP65

储能电池柜 (液冷)-IP65

-  Integrated automatic coolant replenishment system
-  Compatible with mainstream high-voltage solar& energy storage inverters
-  IP65 waterproof (Battery)



Battery Model	★156kWh	★209kWh	★261kWh	★261kWh-认证款	★522kWh
Battery Voltage	499.2V	665.6V	832V	832V	832V
Module Specification	166V314Ah	166V314Ah	166V314Ah	166V314Ah	166V314Ah
Modules of Numbers	3	x	5	5	5S2P
End-of-Charge Voltage	561.6V	748.8V	936V	936V	936V
End-of-Discharge Voltage	436.8V	582.4V	728V	728V	728V
Max. Charge Current	150A	150A	150A	150A	150A
Max. Discharge Current	200A	200A	200A	200A	200A
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	1000*1300*1500mm	1000*1300*2000mm	1000*1300*2000mm	980*1350*2100mm	1900*1300*2200mm
Approx. Weight (kg)	1600kg	2000kg	2400kg	2400kg	4600kg

LiFePO4 Battery Container (Liquid Cooling)-IP65

储能电池舱 (液冷)-IP65



-  Integrated automatic coolant replenishment system
-  Compatible with mainstream high-voltage Solar & energy storage inverters
-  IP65 waterproof (Battery)

Battery Model	★2.0MWh	★2.6MWh	3.1MWh	4.1MWh	5MWh
Battery Voltage	832V	832V	832V	832V	1331V
Module Specification	166V314Ah	166V314Ah	166V314Ah	166V314Ah	166V314Ah
Modules of Numbers	8(5S1P)	10(5S2P)	12(5S3P)	16(5S4P)	96(8S12P)
End-of-Charge Voltage	936V	936V	936V	936V	1498V
End-of-Discharge Voltage	728V	728V	728V	728V	1165V
Max. Charge Current	150A	150A	150A	150A	150A
Max. Discharge Current	200A	200A	200A	200A	200A
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	6058*2438*2591mm	6058*2438*2591mm	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	24000kg	26000kg	30000kg	38000kg	44000kg

PCS Cabinet & Combiner Cabinet
PCS 柜 & 汇流柜

PCS



COMBINER



PCS Cabinet 光储柴PCS柜

- Wide input voltage range
- Support on-grid and off-grid output
- Multi-channels MPPT



Model	PCS500-0401	PCS500-480M4-with MPPT	PCS500-480M4-with MPPT and Transformer
Power	500kW	500kW	500kW
MPPT Rated Power	/	480kW	480kW
Max. PV Voltage	/	950Vdc	950Vdc
MPPT Voltage Range	/	250~850Vdc	250~850Vdc
MPPT Number of Channels	/	4 channels	4 channels
Battery Voltage Range	680~950Vdc	680~950Vdc	680~950Vdc
Load / PV / Grid / GEN	750kW/500kW/750kW	750kW/500kW/750kW	750kW/500kW/750kW
Transformer	/	/	Yes
Size (mm)	750*1000*1700mm	1600*1050*2060mm	1600*1050*2300mm
Approx. Weight (kg)	600kg	1200kg	2600kg

Combiner Cabinet 光储柴汇流柜



- Hybrid grid cabinet, supporting loads/grid/PV/diesel generator
- On/Off-grid switching time < 10ms
- Integrates combiner, distribution, lightning protection

Model	CMB500-0401	CMB750-0601
Power	500kW	750kW
Input & Output Channels	4 and 1	6 and 1
Input & Output Voltage	380Vac or 400Vac	380Vac or 400Vac
Load / PV / Grid / GEN	1000A/1000A/1500A/1500A	1500A/1500A/2000A/2000A
Max. Input Current	250A	250A
Switching Time	<10ms	<10ms
Communication	RS485/4G	RS485/4G
IP Grade	IP54	IP54
Size (mm)	875*900*2020mm	1100*900*2020mm
Approx. Weight (kg)	400kg	500kg

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

Key Recommend — Solar-Diesel BESS Cabinet (261kWh & 522kWh)
重点推荐一光储柴微网一体柜（液冷）



125kW/261kWh



250kW/522kWh

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-Diesel BESS(亚非拉光储柴)	261kWh+250kW Solar-Diesel BESS(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

800V

多场景覆盖 · 高效可靠 · 智能运维

Multi-scenario Coverage · High Efficiency & Reliability · Intelligent O&M

High-Voltage Platform · Large-Capacity ESS

Applicable to large-scale energy storage power stations, grid-side energy storage and other scenarios.

RECOMMENDED

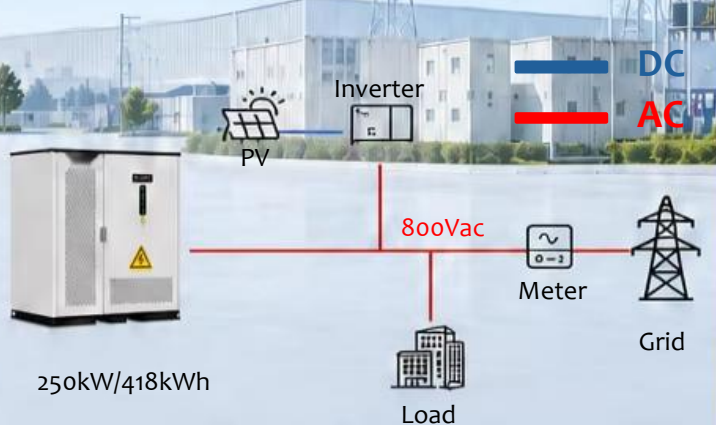


125kW/261kWh



250kW/418kWh

SYSTEM TOPOLOGY DIAGRAM



690V

System Integration · Step-up Grid-Connected

Applicable to medium & large energy storage and industrial applications.

RECOMMENDED

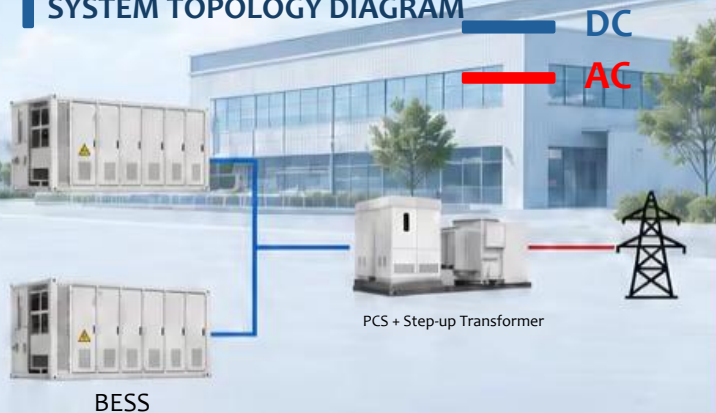


2.5MW/5MWh | 5MW/5MWh



5MW/10MWh | 5MW/20MWh

SYSTEM TOPOLOGY DIAGRAM



On-Grid BESS Cabinet Liquid Cooling (PCS: 690V/800V)

储能并网一体柜液冷 (PCS: 690V/800V)



Integrated BMS/PCS/EMS



Space-saving with a small footprint



IP65 waterproof (Battery)



Battery Model	261kWh+125kW(690Vac)	★ 261kWh+125kW(800Vac)	418kWh+215kW(690Vac)	★ 418kWh+215kW(800Vac)
Battery Energy	261kWh	261kWh	418kWh	418kWh
PCS Power	125kW	125kW	215kW	215kW
AC Input Power	125kW	125kW	215kW	215kW
Max.AC Current	126A	109A	180A	157A
AC Voltage	690Vac	800Vac	690Vac	800Vac
AC Output Power	125kW	125kW	215kW	215kW
Communication	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	1800*1350*2300mm	1800*1350*2300mm	2000*1350*2100mm	2000*1350*2100mm
Approx. Weight (kg)	2950kg	3000kg	4200kg	4230kg

On-Grid BESS Container Liquid Cooling (690Vac)

储能并网一体舱液冷 (690Vac)



Integrated BMS/PCS/EMS



Space-saving with a small footprint



IP65 waterproof (Battery)

Battery Model	★ 2.5MWh+1.25MW	3.3MWh+1.75MW
Battery Energy	2.5MWh	3.3MWh
PCS	1.25MW	1.75MW
AC Voltage	690Vac	690Vac
AC Rated Power	1.25MW	1.75MW
Max. AC Current	1100A	1540A
Communication	RS485/Ethernet/4G	RS485/Ethernet/4G
IP Grade	IP65(Battery)	IP65(Battery)
Size (mm)	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	24200kg	32000kg

Large-scale Integrated MV BESS (5MWh/2.5MW)

大型一体化中压电池储能系统(单柜: 2. 5MWh两柜并联, 单柜: 5MWh)



Complete grid support functions,
reliable grid-connected operation



Integrated LiFePO₄ Battery, PCS, BMS and EMS



Cabin integrated storage unit & booster transformer,
built-in full lithium control system



Battery Model	★ 5MWh+2.5MW(Single Container: 2.5MWh)	★ 5MWh+2.5MW(Single Container: 5MWh)
Battery Energy	5MWh	5MWh
PCS	2.5MW	2.5MW
AC Voltage	690Vac	690Vac
Step-up transformer	11 kV on high voltage side of step-up transformer	11 kV on high voltage side of step-up transformer
AC Rated Power	2.5MW	2.5MW
Max.AC Current	2090A	2090A
Communication	RS485/Ethernet/4G	RS485/Ethernet/4G
IP Grade	IP65(Battery)	IP65(Battery)
Size (mm)	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	21500kg	44000kg

Large-scale Integrated MV BESS (10MWh/5MW, 20MWh/5MW)

大型一体化中压电池储能系统(单柜: 5MWh) 集成升压变(11kV或35kV)



Complete grid support functions,
reliable grid-connected operation



Integrated LiFePO₄ Battery, PCS, BMS and EMS.



Cabin integrated storage unit & booster transformer,
built-in full lithium control system

Battery Model	5MWh+2.5MW	★ 10MWh+5MW(Single Container: 5MWh)	20MWh+10MW(Single Container: 5MWh)
Battery Energy	5MWh	10MWh	20MWh
PCS	2.5MW	5MW	10MW
AC Voltage	690Vac	690Vac	690Vac
Step-up transformer	11 kV on high voltage side of step-up transformer	11 kV on high voltage side of step-up transformer	11 kV on high voltage side of step-up transformer
AC Rated Power	2.5MW	5MW	10MW
Max.AC Current	2090A	4180A	8360A
Communication	RS485/Ethernet/4G	RS485/Ethernet/4G	RS485/Ethernet/4G
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	44000kg	Total weight:88000kg, Single weight: 44000kg	Total weight:176000kg, Single weight: 44000kg

EV Fast Charger BESS Cabinet and Container
光储充全直流一体柜/一体舱



EV Fast Charger BESS Cabinet (0.5P/1P)

光储充全直流一体柜 (0.5P/1P)

-  GBT/CCS1/CCS2/CHAdeMO Optional
-  Integrated PCS/MPPT/Charge Module
-  Solar/Storage/Charger with DC Coupling



Battery Model	60kWh+60kW (1 or 2 Guns)	87kWh+80kW (1 or 2 Guns)	209kWh+120kW(2 Guns) Liquid Cooling	261kWh+120kW(2 Guns) Liquid Cooling	★265kWh+240kW (2 Guns) Liquid Cooling
Battery Energy	60kWh	87kWh	209kWh	261kWh	265kWh
Fast Charge Power	60kW	80kW	120kW	120kW	240kW
Max. AC Recharge Power	30kW	30kW	30kW(60kW optional)	30kW(125kW optional)	125kW(250kW optional)
Max. DC Recharge Power	40kW	40kW	100kW	120kW	130kW
Max. PV Recharge Power	38kW(optional)	38kW(optional)	38kW(75kW optional)	38kW(120kW optional)	120kW(240kW optional)
Communication	RS485 (WiFi/4G optional)	RS485 (WiFi/4G optional)	RS485 (WiFi/4G optional)	RS485 (WiFi/4G optional)	RS485 (WiFi/4G optional)
IP Grade	IP54	IP54	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	1650*1200*1600mm	1650*1200*1600mm	1940*1300*1750mm	1940*1300*1950mm	1940*1300*1950mm
Approx. Weight (kg)	900kg	1000kg	2450kg	2600kg	2650kg

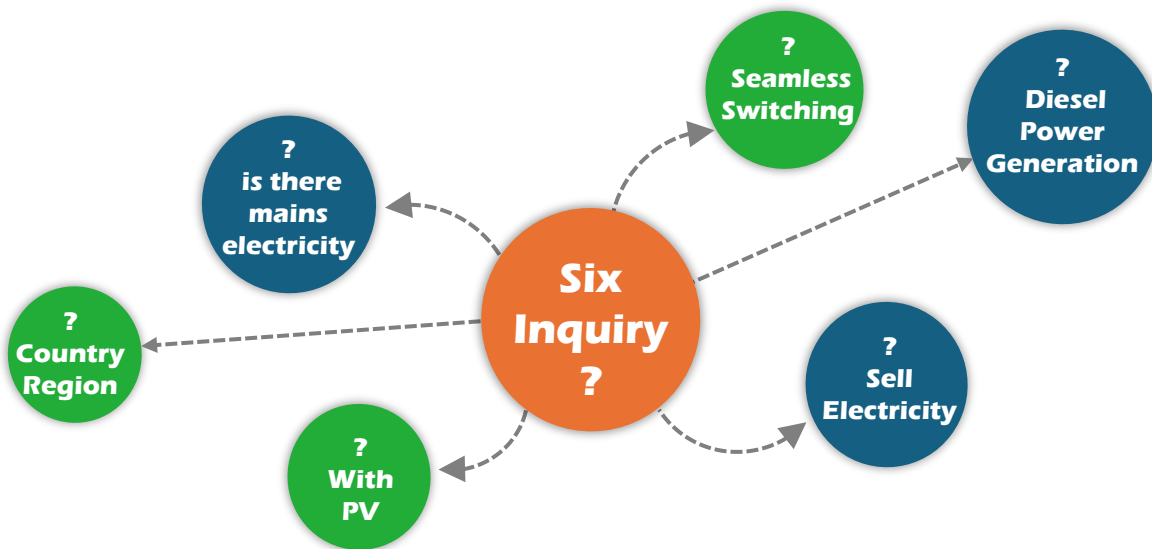
EV Fast Charger BESS Container (Liquid Cooling)

光储充全直流一体舱



-  GBT/CCS1/CCS2/CHAdeMO Optional
-  Integrated PCS/MPPT/Charge Module
-  Solar/Storage/Charger with DC Coupling

Battery Model	522kWh+240kW(2 Guns)	★1MWh+480kW(4 Guns)	★1.5MWh+480kW(4 Guns)
Battery Energy	522kWh	1MWh	1.5MWh
Fast Charge Power	240kW	480kW	480kW
Max. AC Recharge Power	125kW(250kW optional)	250kW(500kW optional)	750kW
Max. DC Recharge Power	120kW(160kW optional)	240kW(320kW optional)	320kW
Max. PV Recharge Power	240kW(optional)	240kW(480kW optional)	720kW(optional)
Communication	RS485(WiFi/4G optional)	RS485(WiFi/4G optional)	RS485(WiFi/4G optional)
IP Grade	IP65(Battery)	IP65(Battery)	IP65(Battery)
Size (mm)	2991*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
Approx. Weight (kg)	9500kg	22000kg	25000kg



01

Where will the system be installed?

Please specify the country, site location, grid voltage, and frequency.

02

Is grid power available and reliable?

Please describe the grid connection and the frequency and duration of power outages.

03

Is a solar PV system installed or planned?

Please provide the PV capacity and, if available, the inverter models and coupling arrangement.

04

Is a diesel generator installed or planned?

Please provide the generator rating and the required operating mode.

05

Is electricity export to the grid permitted?

Please specify whether the system will export electricity or require zero-export control.

06

What transfer time is acceptable for critical loads?

Please specify the maximum allowable interruption time when switching between grid-connected and off-grid operation.



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