

A Provider with 20+years Battery manufacturing experience
Durable Lithium Battery use CSSUN
Shenzhen CSSUN Energy Co., LTD



C&I Energy Storage Catalog

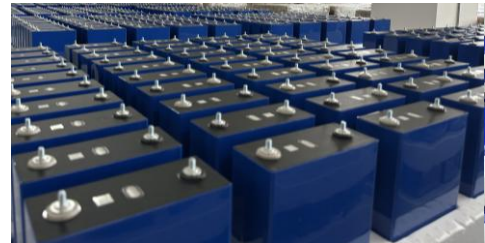
Commercial and Industrial Energy Storage System



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Since 2003

CSSUN Since 2003

CSSUN is a professional battery company established in May 2003, CSSUN manufactures and sells environmentally friendly Lithium and Accumulator batteries. CSSUN introduces and develops advanced technology, and adopts the world's most advanced production equipments and testing measures to ensure long product life, high energy density, and environmental protection features such as cadmium-free, leading the domestic counterparts.

The company is a high-tech enterprise headquartered in Gaoming, Foshan city Guangdong Province China, and has three manufacturing bases in Foshan, Dongguan, Huizhou and Anhui. It has approximately 1,000 employees, including two professors who have experience over 20 years in batteries research from BYD, and over 50 research engineers. CSSUN also has invested strongly in domestic and foreign institutions and scientific research institutions to overcome difficulties in battery technology. The performance of the batteries independently researched and developed by CSSUN has met and exceeded international standards, and a variety of technologies have been granted national and international patents.

CSSUN products are exported to more than 190 countries and regions all over the world, such as South East Asia, Europe, America, South America, Australia, etc. CSSUN batteries are applied to light electric Vehicles (LEVs), uninterruptible power supply (UPS) systems, electricity and telecommunications backup systems, automatic control, wind and solar power systems. With its reliable products and quality services, CSSUN battery has won high praise from users at home and abroad.



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PVDG BESS Container(Air Cooling)
20' Container (1.25MWh ~ 2.6MWh)



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



On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection
and Air-conditioner



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	1MWH+500KW	1.3MWH+625KW	1.5MWH+750KW	2MWH+1MW	2.6MWH+1.25MW
Battery					
Battery Type	LifePO4 Battery				
Rated Energy	1MWh	1.3MWh	1.5MWh	2MWh	2.6MWh
Nominal Voltage	832V				
Rated Capacity	1256Ah	1570Ah	1884Ah	2512Ah	3140Ah
PV					
Max. Power	480kW	600kW	720kW	1200kW	Solar Inverter Outside
Max.PV Voltage	950Vdc				
MPPT Voltage Range	250~850Vdc				
Max.PV Current	200A*4	200A*5	200A*6	200A*10	/
MPPT Channels	4	5	6	10	/
AC (On-grid)					
Rated Power	500KW	625KW	750KW	1000KW	1250KW
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)				
Rated Frequency	50Hz/60Hz				
Max.AC Current	750A	940A	1130A	1500A	1890A
AC (Off-grid)					
Rated Power	500KW	625KW	750KW	1000KW	1250KW
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)				
Rated Frequency	50Hz/60Hz				
Max.AC Current	750A	940A	1130A	1500A	1890A
Switching Time	< 10ms				
General Parameter					
Communication Type	RS485/WiFi				
IP Grade	IP54				
Fire Protection System	YES				
Operating Temperature	-10~55℃				
Humidity Range	5%~95%				
Altitude	< 2000m				
Battery Cooling Method	Air-Conditioner				
PCS Cooling Method	Intelligent cooling				
Dimensions (W*D*H)mm	2991*2438*2591	6058*2438*2896	6058*2438*2896	6058*2438*2896	6058*2438*2896
Weight (about)	12000kgs	13300kgs	15500kgs	20000kgs	24000kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





PVDG BESS Container(Liquid Cooling)
20' Container (750kW~1.5MW/1.5MWh ~ 3.1MWh)



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



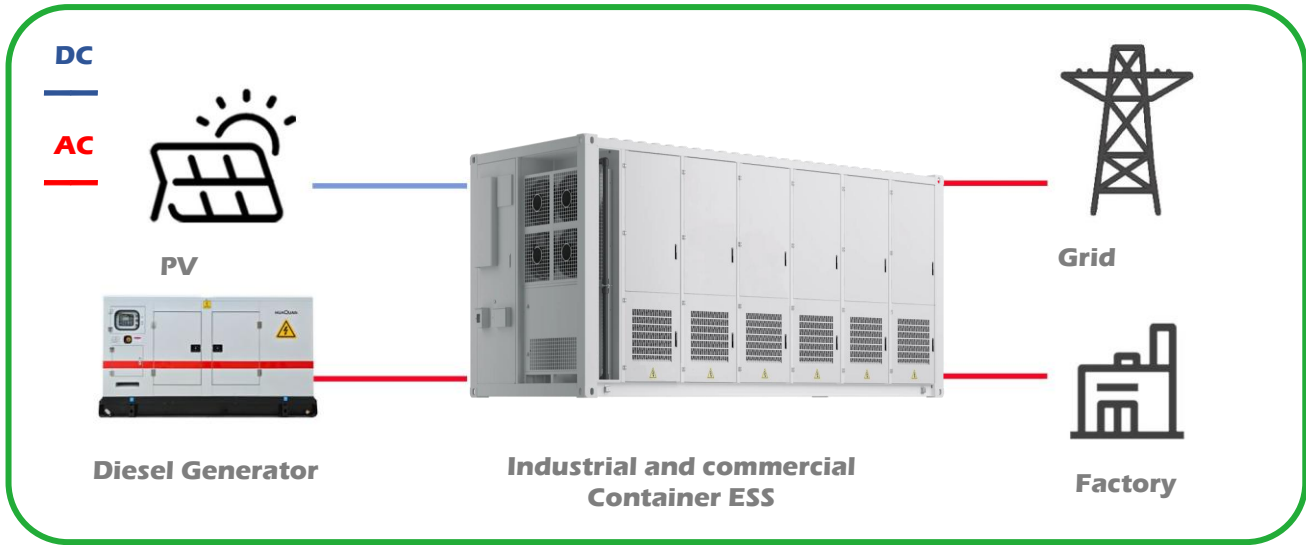
On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	1.5MWH+750KW	2MWH+1MW	2.6MWH+1.25MW	3.1MWH+1.5MW
Battery				
Battery Type	LifePO4 Battery			
Rated Energy	1.5MWh	2MWh	2.6MWh	3.1MWh
Nominal Voltage	832V			
Rated Capacity	1884Ah	2512Ah	3140Ah	3725Ah
PV				
Max. Power	720kW	960kW	1200kW	Solar Inverter Outside
Max.PV Voltage	950Vdc			/
MPPT Voltage Range	250~850Vdc			/
Max.PV Current	200A*6	200A*8	200A*10	/
MPPT Channels	6	8	10	/
AC (On-grid)				
Rated Power	750KW	1000KW	1250KW	1500KW
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)			
Rated Frequency	50Hz/60Hz			
Max.AC Current	1130A	1500A	1890A	2270A
AC (Off-grid)				
Rated Power	750KW	1000KW	1250KW	1500KW
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)			
Rated Frequency	50Hz/60Hz			
Max.AC Current	1130A	1500A	1890A	2270A
Switching Time	< 10ms			
General Parameter				
Communication Type	RS485/WiFi			
IP Grade	IP65			
Fire Protection System	YES			
Operating Temperature	-10~55℃			
Humidity Range	5%~95%			
Altitude	< 2000m			
Battery Cooling Method	Liquid cooling			
PCS Cooling Method	Intelligent cooling			
Dimensions (W*D*H)mm	6058*2438*2896	6058*2438*2896	6058*2438*2896	6058*2438*2896
Weight (about)	15000kgs	19500kgs	23500kgs	27500kgs

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PVDG BESS Container(Air Cooling)
10' Container (480kWh ~520kWh)



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



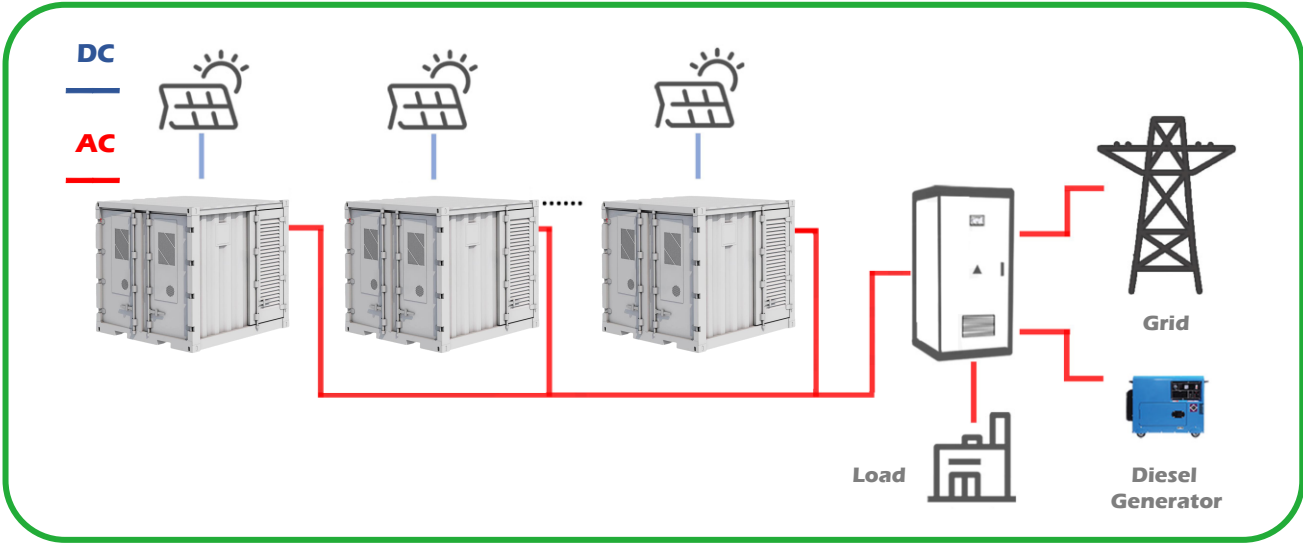
On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection
and Air-conditioner



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	480kWh+200kW	520kWh+250kW	520kWh+375kW
Battery			
Battery Type	LiFePO4 Battery		
Rated Energy	480kWh	520kWh	
Nominal Voltage	768V	832V	
Rated Capacity	628Ah	628Ah	
PV			
Max. Power	240kW	480kW	
Max.PV Voltage	950Vdc		
MPPT Voltage Range	250~850Vdc		
Max.PV Current	200A * 2	200A * 4	
MPPT Channels	2	4	
AC (On-grid)			
Rated Power	200kW	250kW	375kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	300A	375A	560A
AC (Off-grid)			
Rated Power	200kW	250kW	275kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	300A	375A	560A
Switching Time	< 10 ms		
Parallel Number	4		
General Parameter			
Diesel Generator Port	Yes		
Communication Type	RS485/WiFi		
IP Grade	IP54		
Fire Protection System	YES		
Operating Temperature	-10~55℃		
Humidity Range	5%~95%		
Altitude	< 3000m		
Battery Cooling Method	Air-Conditioner		
PCS Cooling Method	Intelligent cooling		
Dimensions (W*D*H)	2500*2250*2400mm		
Weight (about)	5250 kgs	5500 kgs	5560 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



PVDG BESS Container(Air Cooling)
10' Container (645kWh+300kW | 70kWh+375kW|1MWh+500kW)



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



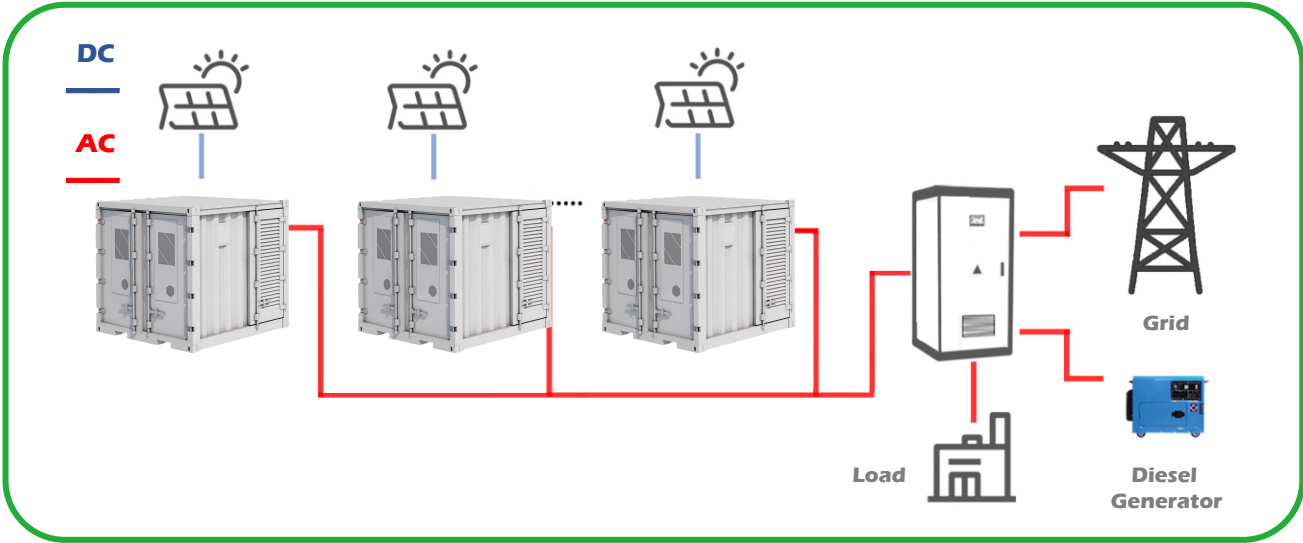
On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection
and Air-conditioner



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	645kWh+300kW	780kWh+375kW	1MWh+500kW
Battery			
Battery Type	LiFePO4		
Rated Energy	645kWh	780kWh	1MWh
Nominal Voltage	768V		832V
Rated Capacity	840Ah	942Ah	1256Ah
PV			
Max. Power	360KW		Solar Inverter Outside
Max.PV Voltage	950Vdc		/
MPPT Voltage Range	250~850Vdc		/
Max.PV Current	200A * 3		/
MPPT Channels	3		/
AC (On-grid)			
Rated Power	300kW	375kW	500kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	454A	560A	757A
AC (Off-grid)			
Rated Power	300kW	375kW	500kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	454A	560A	757A
Switching Time	< 10 ms		
General Parameter			
Diesel Generator Port	Yes		
Communication Type	RS485/WiFi		
IP Grade	IP54		
Fire Protection System	YES		
Operating Temperature	-10~55℃		
Humidity Range	5%~95%		
Altitude	< 2000m		
Battery Cooling Method	Air-Conditioner		
PCS Cooling Method	Intelligent cooling		
Dimensions (W*D*H)	2991*2438*2591mm		
Weight (about)	8000 kgs	8700 kgs	10600 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



PVDG BESS Container(Liquid Cooling)
10' Container (780kWh+375kW | 1.0MWh+500kW)



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



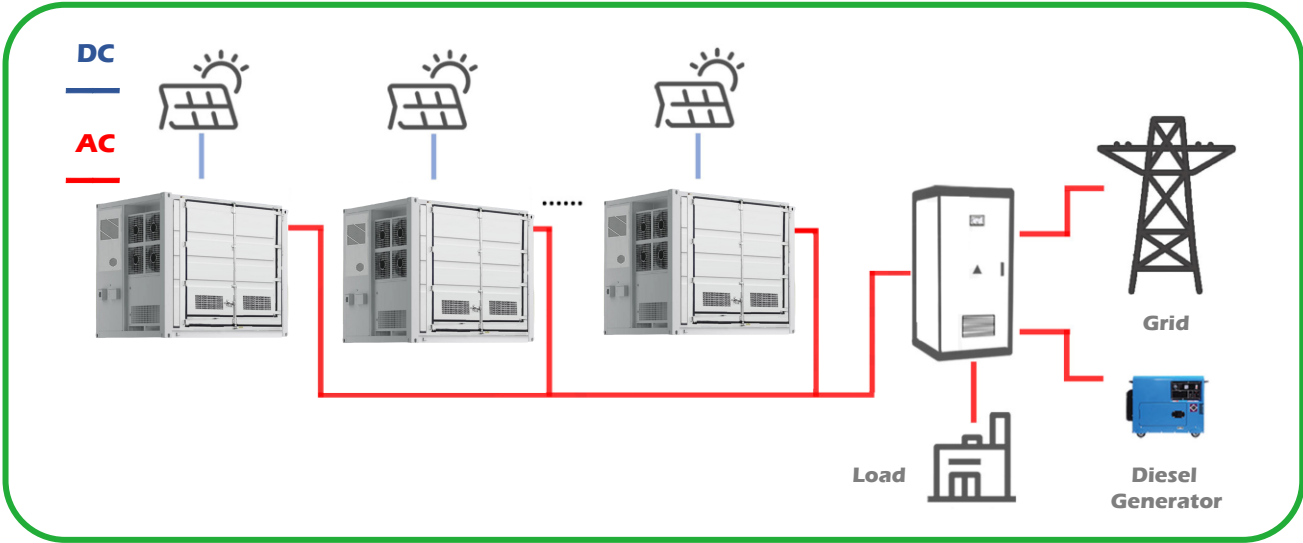
On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	780kWh+375kW	1MWh+500kW
Battery		
Battery Type	LiFePO4	
Rated Energy	780kWh	1MWh
Nominal Voltage	832V	
Rated Capacity	962Ah	1256Ah
PV		
Max. Power	360KW	Solar Inverter Outside
Max.PV Voltage	950Vdc	/
MPPT Voltage Range	250~850Vdc	/
Max.PV Current	200A * 3	/
MPPT Channels	3	/
AC (On-grid)		
Rated Power	375kW	500kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)	
Rated Frequency	50Hz/60Hz	
Max.AC Current	560A	757A
AC (Off-grid)		
Rated Power	375kW	500kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)	
Rated Frequency	50Hz/60Hz	
Max.AC Current	560A	757A
Switching Time	< 10 ms	
General Parameter		
Diesel Generator Port	Yes	
Communication Type	RS485/WiFi	
IP Grade	IP65	
Fire Protection System	YES	
Operating Temperature	-10~55℃	
Humidity Range	5%~95%	
Altitude	< 2000m	
Battery Cooling Method	Liquid Cooling	
PCS Cooling Method	Intelligent cooling	
Dimensions (W*D*H)	2991*2438*2591mm	
Weight (about)	9300 kgs	10500 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



PVDG BESS Cabinet (Liquid Cooling)
261kWh+125kW | 261kWh+250kW | 520kWh+250kW



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



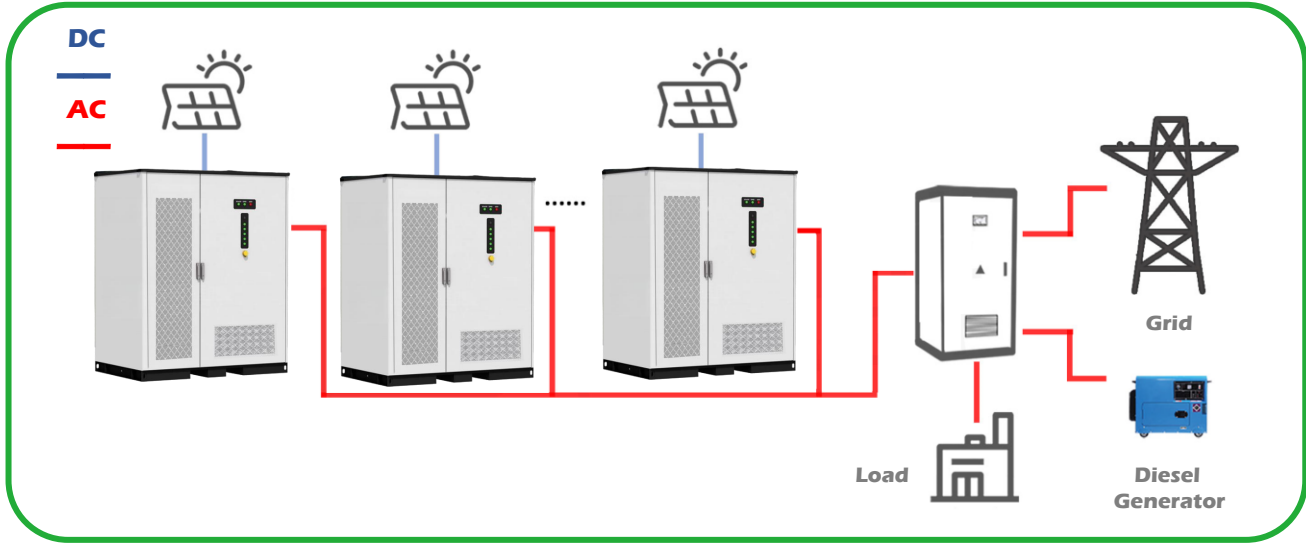
On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System

Durable C&I ESS Choose CSSUN



Model	261kWh+125kW	261kWh+250kW	520kWh+250kW
Battery			
Battery Type	LiFePO ₄ Battery		
Rated Energy	261kWh		522kWh
Nominal Voltage	832V		832V
Rated Capacity	314Ah		628Ah
PV			
Max. Power	120kW	240kW	240kW
Max.PV Voltage		950Vdc	
MPPT Voltage Range		250~850Vdc	
Max.PV Current	200A * 1	200A * 2	200A * 2
MPPT Channels	1	2	2
AC (On-grid)			
Rated Power	125kW	250kW	250kW
AC Voltage	400Vac/230Vac(L1/L2/L3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	180A	375A	375A
AC (Off-grid)			
Rated Power	125kW	250kW	250kW
AC Voltage	400Vac/230Vac(L1/L2/L3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	180A	375A	375A
Switching Time	< 10 ms		
Parallel Number	4	6	6
General Parameter			
Diesel Generator Port	Yes		
Communication Type	RS485/WiFi		
IP Grade	IP65 (Battery)		
Fire Protection System	YES		
Operating Temperature	-10~55℃		
Humidity Range	5%~95%		
Altitude	< 2000m		
Battery Cooling Method	Liquid Cooling		
PCS Cooling Method	Intelligent cooling		
Dimensions (W*D*H)	1520*1350*2000mm	1520*1350*2000mm	2480*1400*2050mm
Weight (about)	2600 kgs	2655 kgs	4900 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





PVDG BESS Cabinet (Air-Conditioner)
241kWh+ 125kW | 261kWh+125kW | 261kWh+250kW



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



On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection
and Air-conditioner



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Model	241kWh+125kW	261kWh+125kW	261kWh+250kW
Battery			
Battery Type	LiFePO4 Battery		
Rated Energy	241kWh	261kWh	261kWh
Nominal Voltage	832V	832V	832V
Rated Capacity	280Ah	314Ah	314Ah
PV			
Max. Power	120kW	120kW	240kW
Max.PV Voltage	950Vdc		
MPPT Voltage Range	250~850Vdc		
Max.PV Current	200A	200A	200A * 2
MPPT Channels	1 or 4	1 or 4	2
AC (On-grid)			
Rated Power	125kW	125kW	250kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	180A	180A	370A
AC (Off-grid)			
Rated Power	125kW	125kW	250kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)		
Rated Frequency	50Hz/60Hz		
Max.AC Current	180A	180A	375A
Switching Time	< 10 ms		
Parallel Number	10	10	6
General Parameter			
Diesel Generator Port	Yes		
Communication Type	RS485/WiFi		
IP Grade	IP65 (Battery)		
Fire Protection System	YES		
Operating Temperature	-10~55℃		
Humidity Range	5%~95%		
Altitude	< 2000m		
Battery Cooling Method	Air-Conditioner		
PCS Cooling Method	Intelligent cooling		
Dimensions (W*D*H)	1190*1170*2260mm	1190*1170*2260mm	1190*1170*2260mm
Weight (about)	2520 kgs	2600 kgs	2650 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





PVDG BESS Cabinet (Air-Conditioner)
48kWh+ 30kW | 60kWh+30kW | 100kWh+55kW



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



On/Off-grid Switching
Time < 10 ms



Supports multiple unites in
Parallel



Integrated fire Protection
and Air-conditioner



PV: Solar DG: Diesel Generator BESS: Battery Energy Storage System



Durable C&I ESS Choose CSSUN



Model	48kWh+30kW	60kWh+30kW	100kWh+55kW	120kWh+60kW
Battery				
Battery Type	LiFePO4 Battery			
Rated Energy	48kWh	60kWh	100kW	128kW
Nominal Voltage	480V	640V	512V	640V
Rated Capacity	100Ah	100Ah	200Ah	200Ah
PV				
Max. Power	38kW		75kW	75kW
Max.PV Voltage	850Vdc		850Vdc	850Vdc
MPPT Voltage Range	200~800Vdc		200~800Vdc	200~800Vdc
Max.PV Current	30A+30A		60A+60A	60A+60A
MPPT Channels	2		2	2
AC (On-grid)				
Rated Power	30kW		55kW	60kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)			
Rated Frequency	50Hz/60Hz			
Max.AC Current	45A		80A	90A
AC (Off-grid)				
Rated Power	30kW		50kW	60kW
AC Voltage	400Vac/230Vac(L1/L2/l3/N/PE)			
Rated Frequency	50Hz/60Hz			
Max.AC Current	45A		80A	90A
Switching Time	< 10 ms			
Parallel Number	3			
General Parameter				
Diesel Generator Port	Yes			
Communication Type	RS485/WiFi			
IP Grade	IP54			
Fire Protection System	YES			
Operating Temperature	-10~50℃			
Humidity Range	5%~95%			
Altitude	< 3000m			
Battery Cooling Method	Air-Conditioner			
PCS Cooling Method	Intelligent cooling			
Dimensions (W*D*H)	760*920*1950mm		740*1348*2280mm	740*1348*2280mm
Weight (about)	750 kgs	850 kgs	1200 kgs	1320 kgs

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





C & I All-In-One ESS (100kW/281-362kWh)
Battery + PCS + MPPT + Generator Port



PCS+LiFePO4 Battery +
MPPT+ Generator Port



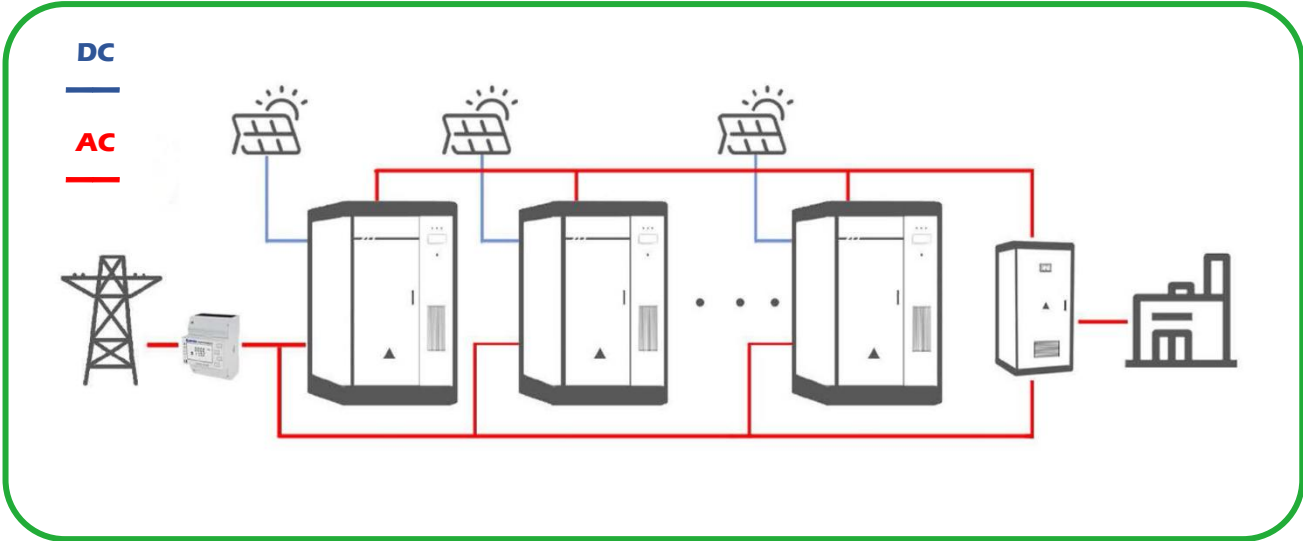
Integrated fire protection
and Air-conditioner



Integrated battery
and inverter



Supports multiple units
in Parallel (Hybrid)



Durable C&I ESS Choose CSSUN



Model	281kWh+100kW	301kWh+100kW	321kWh+100kW	341kWh+100kW	362kWh+100kW
Battery					
Battery Type	LiFePO4				
Rated Energy	281kWh	301kWh	321kWh	341kWh	362kWh
PV					
Max. Power	120kW				
Max.PV Voltage	950Vdc				
MPPT Voltage Range	250~850Vdc				
Max.PV Current	200A				
MPPT Channels	1 or 4				
AC (On-grid)					
Rated Power	100kW				
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)				
Rated Frequency	50Hz/60Hz				
Max.AC Current	145A				
AC (Off-grid)					
Rated Power	100kW				
AC Voltage	400Vac/230Vac (L1/L2/L3/N/PE)				
Rated Frequency	50Hz/60Hz				
Max.AC Current	145A				
Switching Time	< 20ms				
Parallel Number	10				
General Parameter					
Communication Type	RS485/WiFi				
IP Grade	IP54				
Fire Protection System	YES				
Operating Temperature	~10~55℃				
Humidity Range	5%~95%				
Altitude	< 2000m				
Battery Cooling Method	Air-Conditioner				
PCS Cooling Method	Intelligent cooling				
Dimensions (W*D*H) mm	1600*1200*2085	1600*1200*2085	1600*1190*2140	1600*1190*2355	1600*1190*2355
Weight	2500kg (about)	2600kg (about)	2950kg (about)	3100kg (about)	3230kg (about)

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





Max.10 in parallel (100kW+215kWh)
Hybrid ESS Integrated MPPT and GEN Port



Hybrid Inverter + LiFePO4 Battery
+MPPT + Generator Port



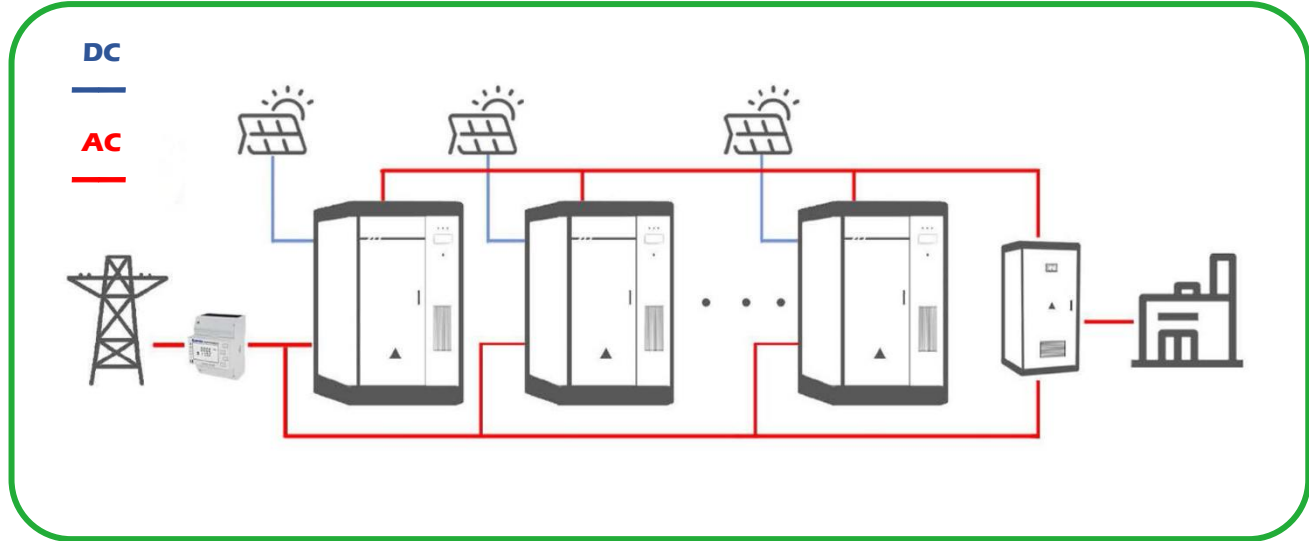
Integrated
BMS/PCS/EMS



Integrated fire protection
And Air-conditioner



Automotive
Grade Process



Durable C&I ESS Choose CSSUN



Model	215kWh+100kW /IP54	215kWh+100kW /IP20
Battery		
Battery Type	LiFePO4 Battery	
Rated Energy	215kWh	
Rated Capacity	280Ah	
Nominal Voltage	768V	
Max. Charge Voltage	876V	
Cut-off Discharge Voltage	600V	
Max. Charge Current	200A	
Max. Discharge Current	200A	
Main Function	OVP/UVP/OTP/OCP/SCP/IDP/BL etc.	
PV		
Max. PV Voltage	900Vdc	
MPPT Voltage Range	200-850Vdc	
Max. PV Current	100A/Channel	
MPPT Channels	2	
Rated Power	120kW	
Rated Voltage	400Vac/230Vac(L1/L2/L3/N/PE)	
Rated Frequency	50Hz/60Hz	
Max.AC Current	145A	
Off-grid		
Rated Power	100kW	
Rated Voltage	400Vac/230Vac(L1/L2/L3/N/PE)	
Rated Frequency	50Hz/60Hz	
Max. AC Current	145A	
Parallel	10	
General Parameter		
Communication	RS485/ Wifi	
Fire Protection	Aerosol and Perfluorohexanone	
Cooling Mode	Air Conditioner	
IP Grade	IP54	IP20
Altitude	<2000m	
Work Temperature	-10℃~55℃	
Size/mm	1450*1355*2190	1200*1000*2050
Weight/kg	2400 (about)	2200 (about)

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



Max.10 in parallel (50kW/100-128kWh)
Hybrid ESS Integrated MPPT and GEN Port



Hybrid Inverter + LiFePO4 Battery
+MPPT + Generator Port



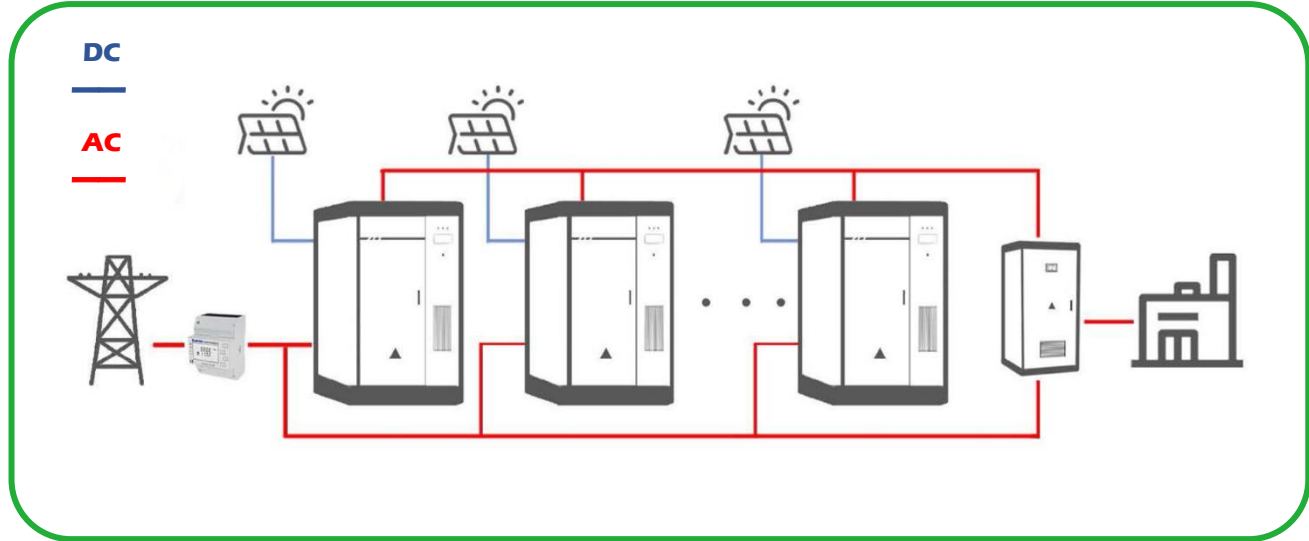
Integrated
BMS/PCS/EMS



Integrated fire protection
And Air-conditioner



Automotive
Grade Process



Durable C&I ESS Choose CSSUN



Model	100kWH+50kW/IP54	115kWH+50kW/IP54	128kWH+50kW/IP54
	CS-100KWH-50KH3M-HP1	CS-115KWH-50KH3M-HP1	CS-128KWH-50KH3M-HP1
Battery			
Battery type	LifePO4		
Rated energy	100kWH	115kWH	128kWH
Nominal voltage	512V		
Rated capacity	200Ah		
Standard Charge Current	75A		
Max. Charge Current	125V		
Max. Discharge Current	150A		
Cooling Method	Air-Conditioner		
PV			
Max. power	70kW		
Max. PV voltage	850Vdc		
MPPT voltage range	200~820Vdc		
Max. PV current	30A+30A+30A+30A		
Quantity of MPPT Channel	4		
AC (On-grid)			
Rated power	50kW		
THDi	<3%		
AC voltage	400Vac		
AC Model	L1/L2/L3/N/PE		
Rated Frequency	50Hz/60Hz		
AC (Off-grid)			
Rated power	50kW		
AC Voltage	400Vac		
AC voltage Range	320~460Vac		
AC Model	L1/L2/L3/N/PE		
Rated Frequency	50Hz/60Hz		
Max. AC current	72A		
Switching time	< 20ms		
General parameter			
Communication type	RS485/WiFi		
IP grade	IP54		
Fire protection system	Aerosol		
Operating temperature	-10℃ ~ 55℃		
Storage temperature	25~60℃		
Humidity range	5% ~ 95%		
Altitude	< 3000m		
PCS cooling method	Intelligent air cooling		
Size/mm	1100*950*1450	1100*950*1450	1100*950*1450
Weight/kg	1200(about)	1320(about)	1350(about)

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





Max.10 in parallel (30kW/50-60kWh)
Hybrid ESS Integrated MPPT and GEN Port



Hybrid Inverter + LiFePO4 Battery
+MPPT + Generator Port



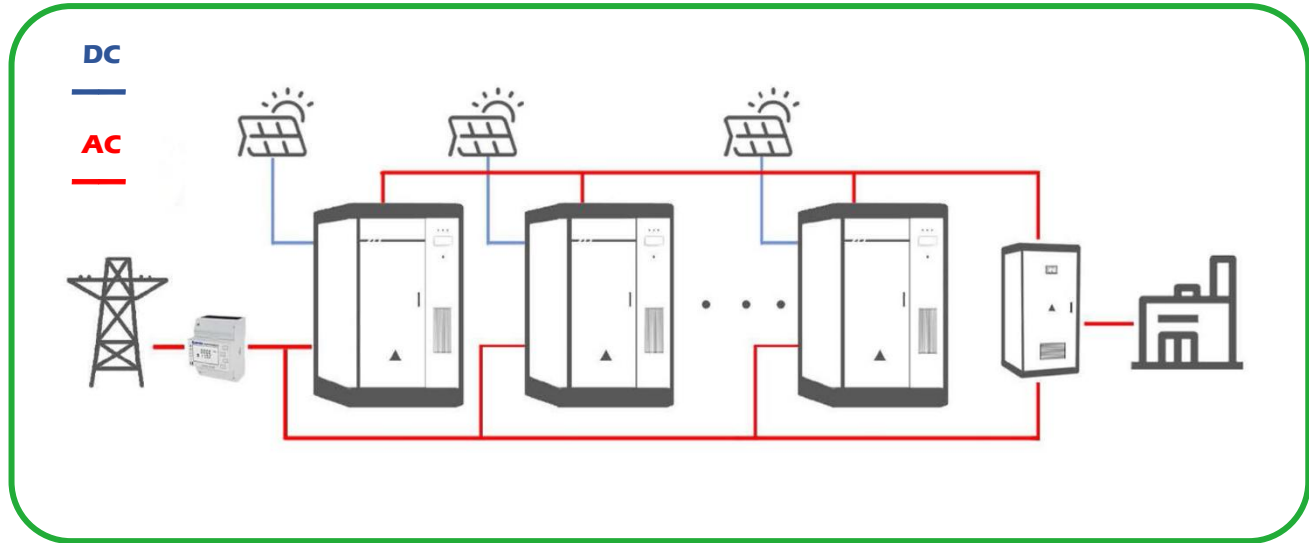
Integrated
BMS/PCS/EMS



Integrated fire protection
And Air-conditioner



Automotive
Grade Process

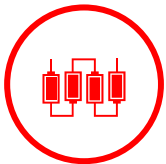


Model	50kWH+30kW/IP54	50kWH+30kW/IP20	60kWH+30kW/IP54	60kWH+30kW/IP20
	CS-50KWH+30K H3M-HP1	CS-50KWH+30K H3M-HA1	CS-60KWH+30K H3M-HP1	CS-60KWH+30K H3M-HA1
Battery				
Battery type			LifePO4	
Rated energy	51kWH	51kWH	61kWH	61kWH
Nominal voltage	512V		614V	
Rated capacity			100Ah	
Max . work current			100A	
PV				
Max . power			38kW	
Max . PV voltage			850Vdc	
MPPT voltage range			200~820Vdc	
Max . PV current			30A+30A	
MPPT Channels			2	
AC (On-grid)				
Rated power			30kW	
AC voltage			400Vac/230Vac(L1/L2/L3/N/PE)	
Rated frequency			50Hz/60Hz	
Max. AC current			50A	
Max . Parallel number			30	
AC (Off-grid)				
Rated power			30kW	
AC voltage			400Vac/230Vac(L1/L2/L3/N/PE)	
Rated frequency			50Hz/60Hz	
Max. AC current			43A	
Switching time			< 20ms	
Max. Parallel number			10	
General parameter				
Communication type			RS485/WiFi	
IP grade	IP54	IP20	IP54	IP20
Fire protection system			Yes	
Operating temperature			-10℃ ~ 55℃	
Humidity range			5% ~ 95%	
Altitude			< 3000m	
Battery cooling method	Air-Conditioner	/	Air-Conditioner	/
PCS cooling method	Intelligent cooling			
Dimensions(W*D*H)	680*950*1450mm	600*850*1450mm	680*950*1450mm	600*850*1450mm
Weight	600kg(about)	530kg(about)	680kg(about)	600kg(about)

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



Automotive Grade Process (25.6-61.4kWh)
Support 2-Levels/3-Levels Architecture



Support in series



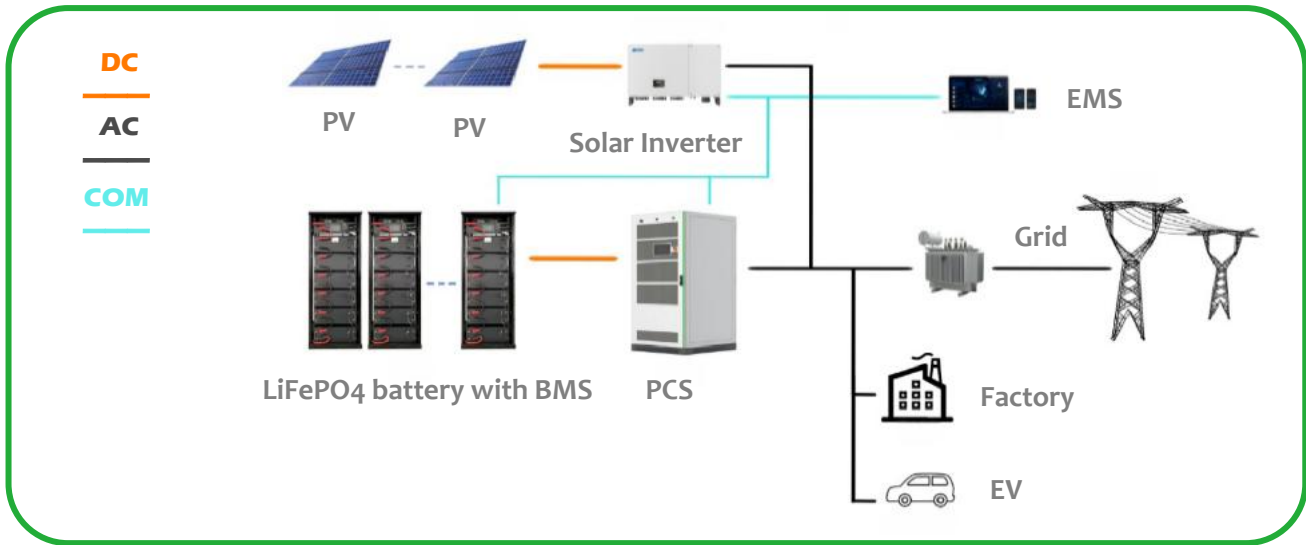
High reliability & high security



Long cycle life



Support customization



Durable C&I ESS Choose CSSUN



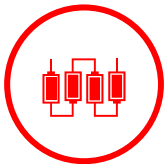
Model	256V100Ah	307V100Ah	409V100Ah	512V100Ah	614V100Ah
Nominal Voltage	256V	307V	409V	512V	614V
Rated Energy	26kWh	31kWh	41kWh	51kWh	61kWh
Rated Capacity	100Ah				
End-of-charge Voltage	292V	350V	467V	584V	700V
End-of-discharge Voltage	216V	259V	345V	432V	518V
Standard Charge Current	50A				
Max. Charge Current	100A				
Standard Discharge Current	50A				
Max.Discharge Current	100A				
Max.Peak Current	150A				
Communication	RS485/CAN				
Charge/Discharge Interface	Waterproof connector				
Communication Interface	RJ45				
Shell Material/Color	Metal/Black				
Size/mm	600*600*1165	600*600*1378	600*600*1610	600*600*1830	600*600*2050
Weight/kg	295kg(about)	345kg(about)	445kg(about)	533kg(about)	630kg(about)
Work Temperature Range	charge:0°C-50°CDischarge: -15°C-60°C				

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





Automotive Grade Process (51.2-128kWh)
Support 2-Levels/3-Levels Architecture



Support in series



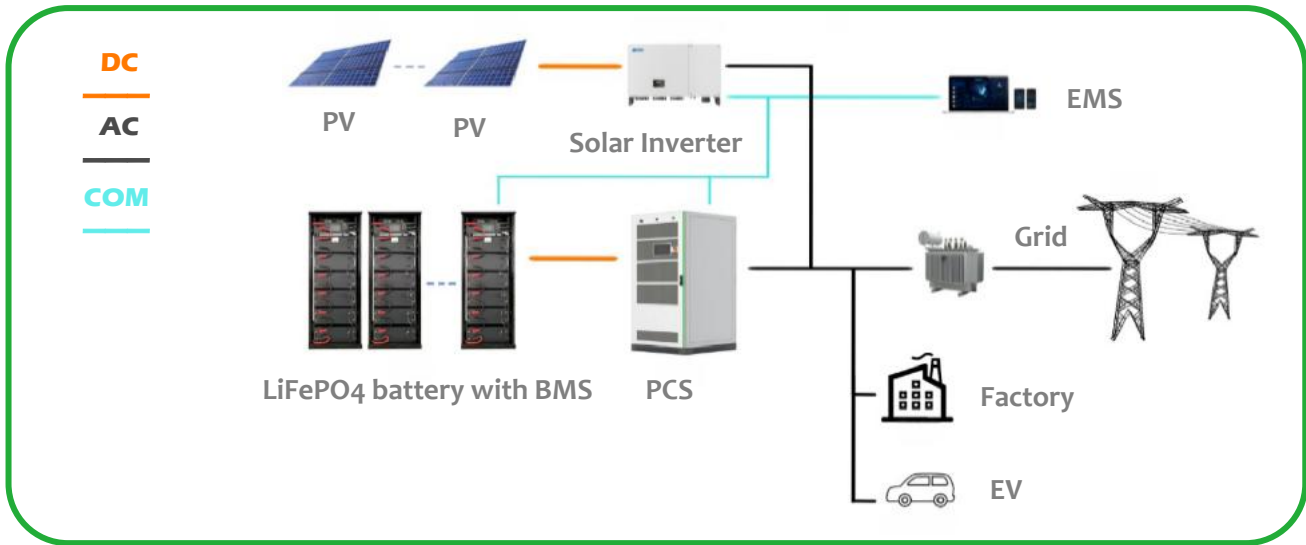
High reliability &
high security



Long cycle life



Support customization



Durable C&I ESS Choose CSSUN



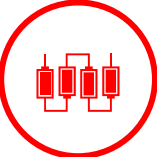
Model	256V200Ah	307V200Ah	409V200Ah	512V200Ah	614V200Ah
Nominal Voltage	256V	307V	409V	512V	614V
Rated Energy	51kWh	61kWh	82kWh	102kWh	123kWh
Rated Capacity	200Ah				
End-of-charge Voltage	292V	350V	467V	584V	700V
End-of-discharge Voltage	216V	259V	345V	432V	518V
Standard Charge Current	50A				
Max. Charge Current	100A				
Standard Discharge Current	50A				
Max.Discharge Current	100A				
Max.Peak Current	150A				
Communication	RS485/CAN				
Charge/Discharge Interface	Waterproof connector				
Communication Interface	RJ45				
Shell Material/Color	Metal/Black				
Size/mm	600*900*1165	600*900*1378	600*900*1610	600*900*1830	600*900*2050
Weight/kg	476kg(about)	566kg(about)	746kg(about)	926kg(about)	1106kg(about)
Work Temperature Range	charge:0°C-50°CDischarge: -15°C-60°C				

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





Automotive Grade Process (67.0-161kWh)
Support 2-Levels/3-Levels Architecture



Support in series



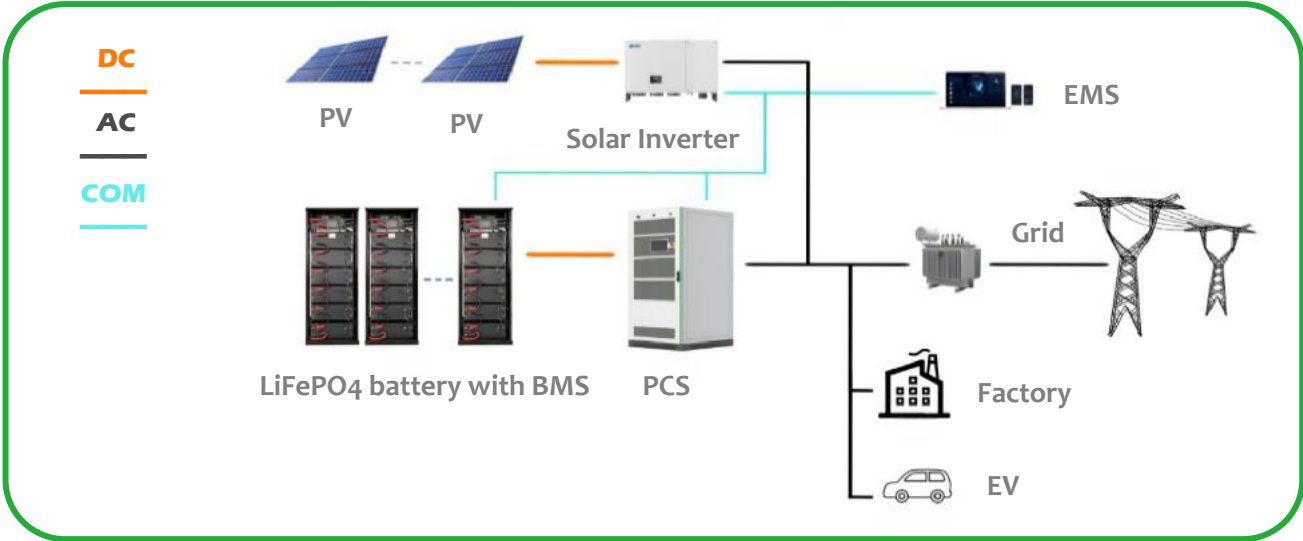
High reliability & high security



Long cycle life



Support customization



Durable C&I ESS Choose CSSUN



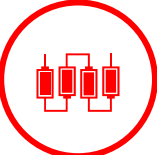
Model	240V280Ah	288V280Ah	384V280Ah	480V280Ah	576V280Ah
Nominal Voltage	240V	288V	384V	480V	576V
Rated Energy	67kWh	81kWh	108kWh	134kWh	161kWh
Rated Capacity	280Ah				
End-of-charge Voltage	273V	328V	438V	547V	657V
End-of-discharge Voltage	202V	243V	324V	405V	486V
Standard Charge Current	140A				
Max. Charge Current	200A				
Standard Discharge Current	140A				
Max.Discharge Current	200A				
Max.Peak Current	300A				
Communication	RS485/CAN				
Charge/Discharge Interface	Waterproof connector				
Communication Interface	RJ45				
Shell Material/Color	Metal/Black				
Size/mm	600*900*1610	600*900*1830	600*900*2050	600*900*1610	600*900*1830
Weight/kg	571kg(about)	680kg(about)	898kg(about)	1116kg(about)	1334kg(about)
Work Temperature Range	charge:0°C-50°CDischarge: -15°C-60°C				

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization





Automotive Grade Process (80.0-193kWh)
Support 2-Levels/3-Levels Architecture



Support in series



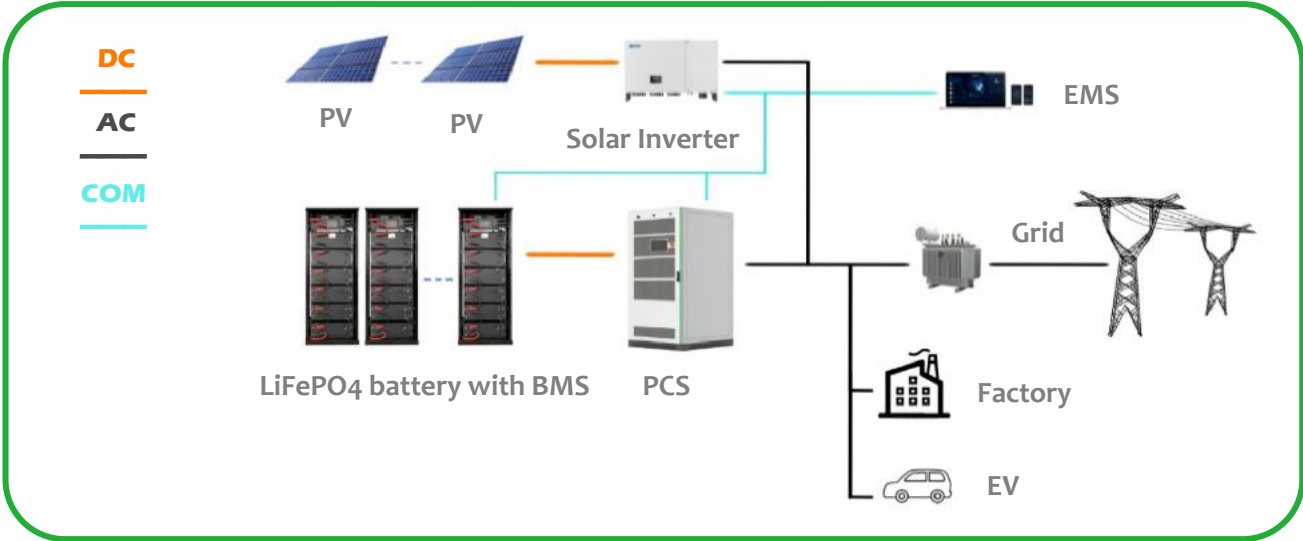
High reliability & high security



Long cycle life



Support customization



Durable C&I ESS Choose CSSUN

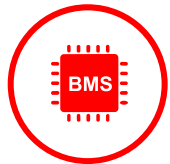


Model	256V314Ah	307V314Ah	409V314Ah	512V314Ah	614V314Ah
Nominal Voltage	256V	307V	409V	512V	614V
Rated Energy	80kWh	96kWh	128kWh	161kWh	193kWh
Rated Capacity	314Ah				
End-of-charge Voltage	292V	350V	467V	584V	700V
End-of-discharge Voltage	216V	259V	345V	432V	518V
Standard Charge Current	140A				
Max. Charge Current	200A				
Standard Discharge Current	140A				
Max.Discharge Current	200A				
Max.Peak Current	300A				
Communication	RS485/CAN				
Charge/Discharge Interface	Waterproof connector				
Communication Interface	RJ45				
Shell Material/Color	Metal/Black				
Size/mm	600*900*1610	600*900*1830	600*900*2050	1200*900*1610	1200*900*1830
Weight/kg	611kg(about)	728kg(about)	962kg(about)	1196kg(about)	1430kg(about)
Work Temperature Range	charge:0°C-50°CDischarge: -15°C-60°C				

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



Automotive Grade Process (5.12 – 16.0 kWh)
Support 2-Levels/3-Levels Architecture



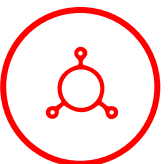
Automotive grade BMS



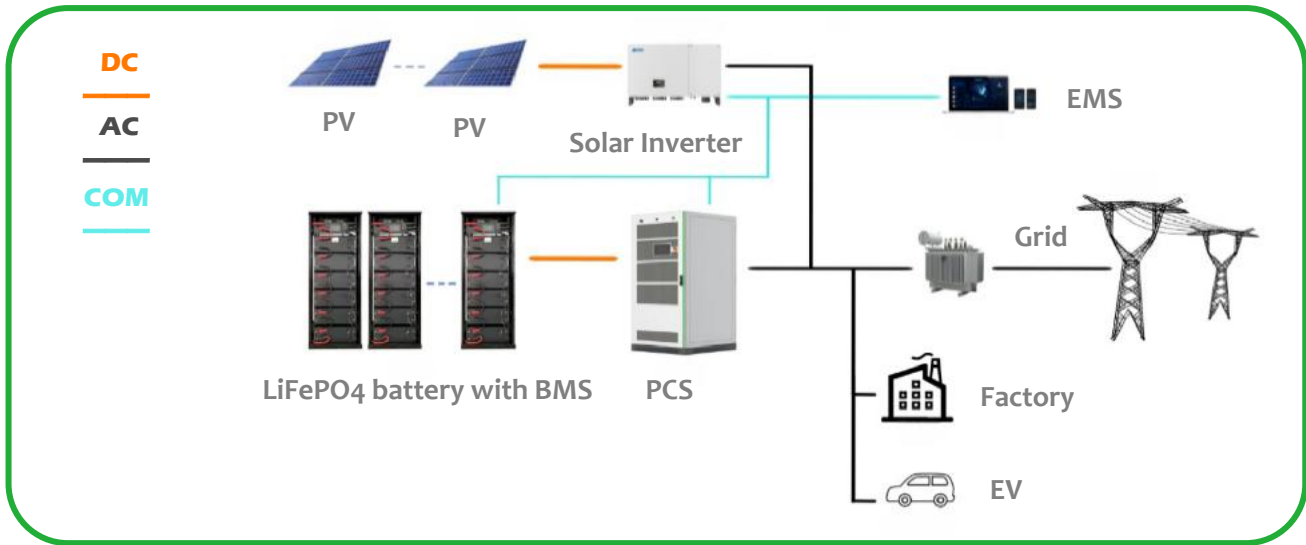
Support Max
1500V System



Integrated multi-level
fire protection system



Host integrated high
voltage module



Durable C&I ESS Choose CSSUN



Model	51.2V100Ah	51.2V200Ah	51.2V280Ah	51.2V314Ah
Nominal Voltage	51.2V			
Rated Energy	5.12kWh	10.24kWh	14.34kWh	16.0kWh
Rated Capacity	100Ah	200Ah	280Ah	314Ah
End-of-charge Voltage	58.0V			
End-of-discharge Voltage	42.0V			
Standard Charge Current	50A	50A	140A	157A
Max. Charge Current	100A	100A	200A	200A
Standard Discharge Current	50A	50A	140A	157A
Max. Discharge Current	100A	100A	200A	200A
Max.Peak Current	150A	150A	300A	300A
Communication	RS485/CAN			
Charge/Discharge Interface	Fast plug connector			
Communication Interface	RJ45			
Shell Material/Color	Metal/White/Black			
Size/mm	442*450*133	442*440*267	442*760*225	442*760*225
Weight/kg	42kg(about)	82kg(about)	109kg(about)	109kg(about)
Work Temperature Range	charge:0°C-50°CDischarge: -15°C-60°C			

* The Parameters are for reference only, the actual product shall prevail support customization, and on-demand customization



Mobile ESS with EV Charger
60kWH +60kW | 141kWH +120kW | 172kWH +120kW



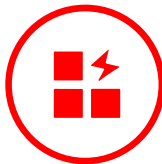
GBT or CCS1/CCS2/CHAdeMO



Integrated LiFePO4
Battery/PV/Charge Module



Battery , PV and
Charger DC Coupling



DC Charger/AC/PV/ recharging



Model	60KWH-60KWM-CD1-HA1	141KWH-120KWM-CD2-HA1	172KWH-120KWM-CD2-HA1
Battery			
Battery type	LiFePO4		
Rated energy	60kWH	141kWH	172kWH
Cooling method	Fan	Air-Conditioner	Air-Conditioner
Fast Charger			
Gun type	GBT/CCS1/CCS2/CHAdemo		
Max. charger power	60kW	120kW	120kW
Charger voltage range	200 ~ 750Vdc	200 ~ 1000Vdc	200 ~ 1000Vdc
Charger current	0 ~ 150A	0 ~ 250A	0 ~ 250A
Operation mode	Single-Alone/OCPP1.6J		
Quantity of Gun	1	2	2
Gun wire length	5m	8m	8m
DC Recharger			
Max. recharge power	30kW	60kW	60kW
Socket type	GBT/CCS1/CCS2/CHAdemo		
AC Recharger			
AC type	3-phase(L1/L2/L3/N/PE)		
Max. recharge power	30kW		
PV Recharger			
Max. power	38kW	60kW	60kW
Max. PV voltage	850Vdc		
MPPT voltage range	200 ~ 820Vdc		
Quantity of MPPT Channel	2	4	4
AC OUT (Off-grid)			
Rated power	30kW	60kW	60kW
AC voltage	400Vac/230Vac (3-phase)		
Rated frequency	50Hz/60Hz		
Max. AC current	43A	80A	80A
General parameter			
Communication type	RS485 / WiFi		
Protection grade	IP54		
Fire protection system	Aerosol		
Operating temperature	-15 ~ 50℃		
Humidity range	5% ~ 95%		
Altitude	<3000m		
PCS cooling method	Intelligent air cooling		
Dimensions(W*D*H)	1100*850*1050mm	1700*1350*1000mm	1800*1650*1050mm
Weight	750kg(about)	1400kg(about)	1550kg(about)

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Industrial & Commercial Storage Project **Six Inquiry**



Country and region ?

01

Understand the application in Asia, Africa and Latin America or Europe and the United States, the grid voltage.

Whether there is mains electricity ?

02

Whether there is mains access, if there is mains access is connected to the grid, no mains access is off the grid, mains frequent power outages are mixed.

Whether there is photovoltaic ?

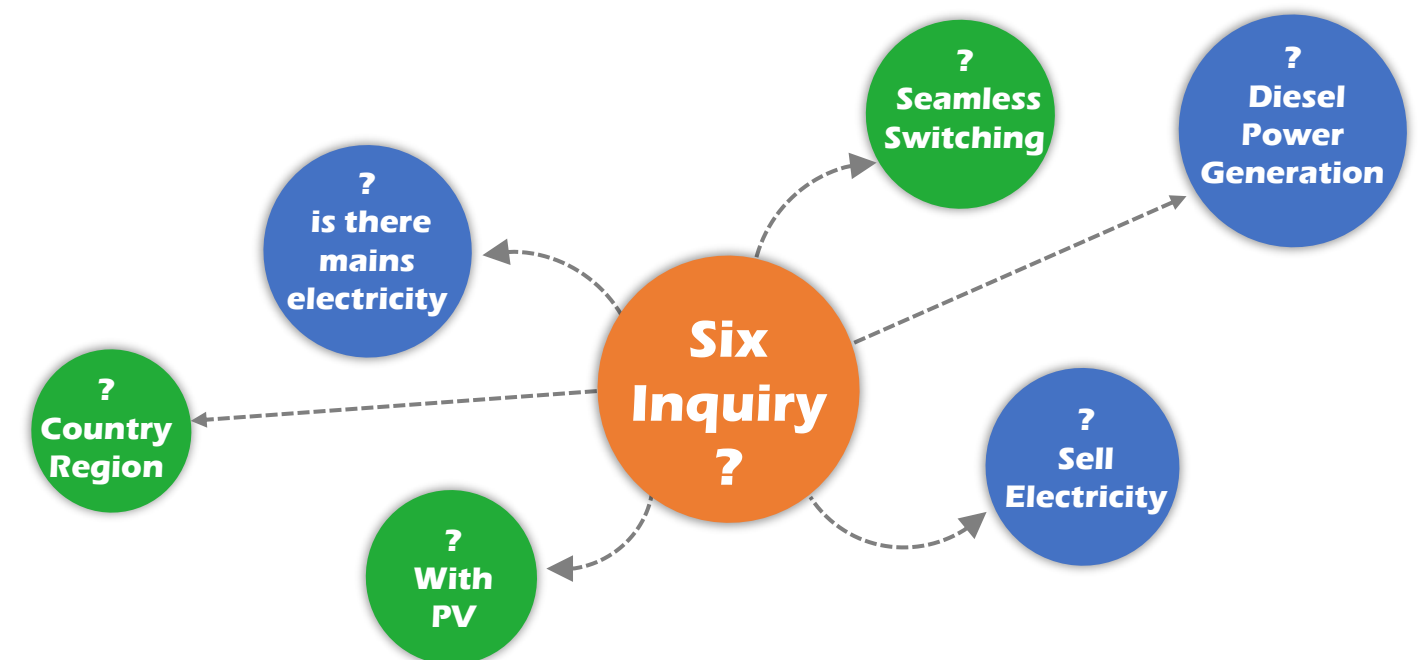
03

Whether there is photovoltaic access, how much photovoltaic access power rate.



Durable C&I ESS Choose CSSUN

CSSUN



Whether diesel power generation ?

04

Whether diesel power generation is configured or whether diesel power generation is considered in the future.

Whether to sell electricity ?

05

Whether it will sell electricity to the grid, or prohibit the sale of electricity to do anti-reflux.

Whether seamless switching ?

06

Whether it requires seamless switching between on-grid and off-grid (<20mS), or slow switching (about 10S).