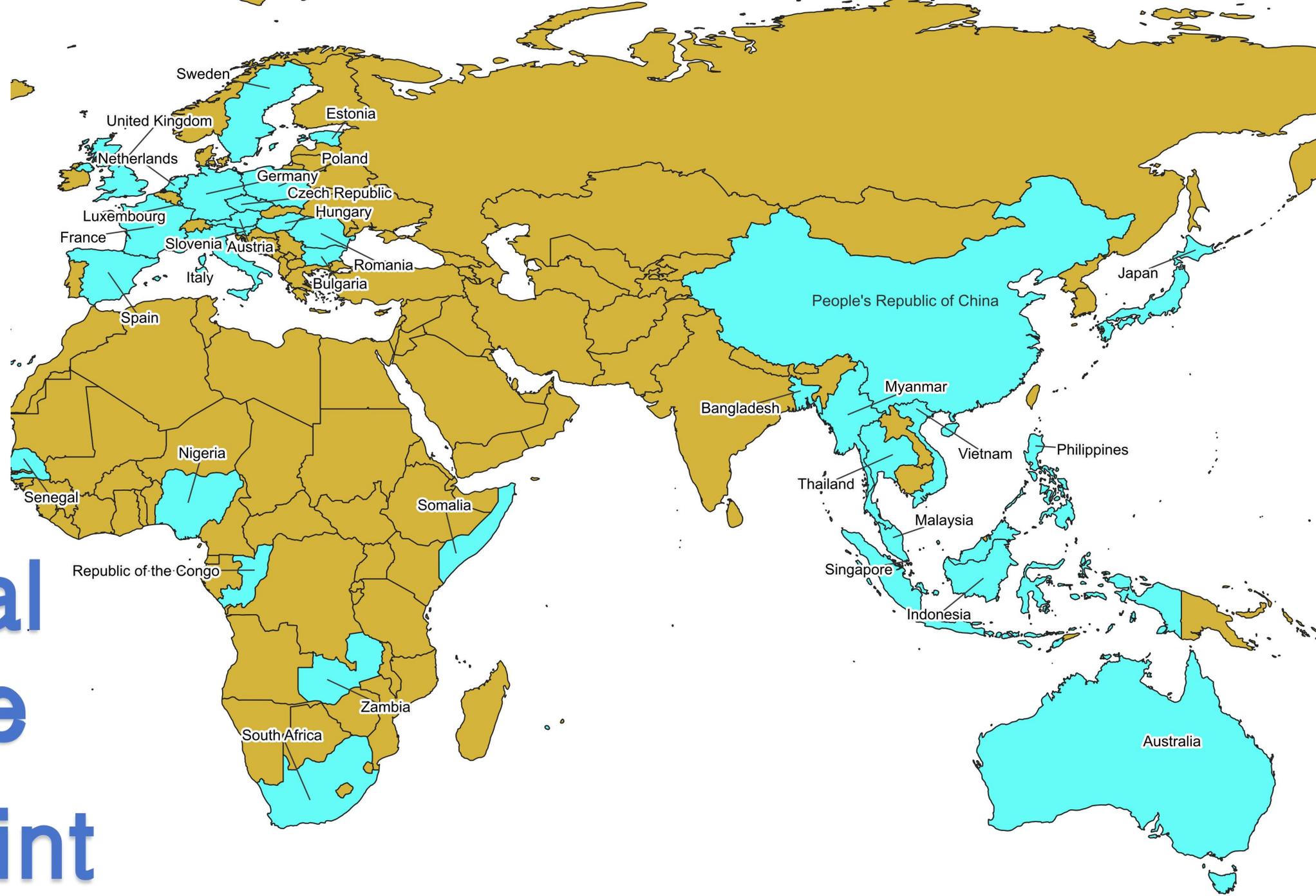


# BESS Products



# Global Trade Footprint



# Scenario Household



**Household Inverter**

**Household Battery System**

**Household PV-Storage**

**All-in-one Battery**

**Energy Storage System**



# Single-phase@220VAC hybrid inverter

## Low-voltage

**Series1. AC Power: 3KW**

**PV Power: 4.5KW (IP66)**

**Series2. AC Power: 3.6KW**

**PV Power: 5.475KW (IP66)**

**Series3. AC Power: 5KW**

**PV Power: 7.5KW (IP66)**

**Series4. AC Power: 6KW**

**PV Power: 9KW (IP66)**



**Warranty: 10 years**

**CE Certificate:**

IEC62109;

EN 61000-6-3:2021/2020;

EN 61000-6-1:2019/2016;

EN 301489-1/17;

EN 300328;

IEC 62479

**Grid Certificate:**

Italy: CEI 0-21;

European: EN 50549;

Spain: NTS TypeA; RD647; UNE217001;

UK: G98;G99;G100

# Single-phase@220VAC hybrid inverter

## Low-voltage

Series5. AC Power: **10KW**

PV Power: **16KW** (*IP65*)

Series6. AC Power: **12KW**

PV Power: **19.2KW** (*IP65*)



Warranty: **5 years**

CE Certificate:

IEC 62109;EN 61000-6-3:2021/2020;

EN 61000-6-1:2019/2016;

EN 301489-1/17;

EN 300328;

IEC 62479

# Three-phase@380VAC hybrid inverter

## Low/High-voltage

Series1. AC Power: **5KW**

PV Power: **4.5KW** (IP66)

Series2. AC Power: **6KW**

PV Power: **5.475KW** (IP66)

Series3. AC Power: **8KW**

PV Power: **7.5KW** (IP66)

Series4. AC Power: **10KW**

PV Power: **9KW** (IP66)

Series5. AC Power: **12KW**

PV Power: **9KW** (IP66)



Warranty: **10 years**

CE Certificate:

IEC 62109;

EN 61000-6-3:2021/2020;

EN 61000-6-1:2019/2016;

EN 301489-1/17;

EN 300328;

IEC 62479

Grid Certificate:

IEC Grid: IEC 62116&IEC 62727;

Poland: NCFRfG+PTPIRE+PSE

# Low-voltage Battery System

compatible with  
Low-voltage inverter

## Series1.

- **5.12kWh Stacked** battery PACK, 100Ah cells (*IP65*)
- Low-voltage battery **BASE** (with inverter and battery connection cables)
- Parallel connection **CABLEs** between 5kWh low-voltage battery packs



**Warranty: 10 years**

**CE Certificate:**

EN 62477;  
EN 61000-6-3:2021;  
EN 61000-6-2:2019;  
EN 61000-6-1:2019;  
EN 61000-6-4:2019;  
EN 62619

**Transport Certificate:**

UN38.3;  
MSDS



# Low-voltage Battery System

compatible with  
Low-voltage inverter

## Series2.

- **5.12kWh Rack** battery PACK,  
100Ah cells (*IP20*)
- rack battery pack connection  
simple **BRACKET**
- rack battery pack parallel  
**CABLES** between compartments
- rack battery pack and inverter  
connection **CABLES**



**Warranty: 5 years**

**CE Certificate:**

offer if needed

**Transport Certificate:**

UN38.3;

UL10269;

YL20276

# Low-voltage Battery System

compatible with  
Low-voltage inverter

Series3.

-- **5.12kWh** Wall-mounted battery  
PACK, 100Ah cells (*IP20*)



Warranty: **5 years**

Transport Certificate:  
UN38.3

# Low-voltage Battery System

Series4.

-- **16kWh** Wall-mounted battery  
PACK, 314Ah cells *(IP20)*

compatible with  
**Low-voltage inverter**



Warranty: **5 years**

Transport Certificate:  
UN38.3;

# Low-voltage Battery System

Series4.

-- **16kWh** Wall-mounted battery  
PACK, 314Ah cells (*IP65*)



compatible with  
**Low-voltage inverter**

**Warranty: 10 years**

**CE Certificate:**

EN 61000-6-3:2021;

EN 61000-6-2:2019;

EN 61000-6-1:2019;

EN 61000-6-4:2019;

EN 62619

**Transport Certificate:**

UN38.3;

MSDS

# High-voltage Battery System

compatible with  
High-voltage inverter

## Series5.

- **5.12kWh Stacked** battery PACK, 50Ah cells (*IP65*)
- High-voltage control **BOX** and **BASE** (including inverter and battery connection cables and main control BMS)



**Warranty: 10 years**

### CE Certificate:

EN 62477;  
EN 61000-6-3:2021;  
EN 61000-6-2:2019;  
EN 61000-6-1:2019;  
EN 61000-6-4:2019;  
EN 62619

### Transport Certificate:

UN38.3;  
MSDS

# High-voltage Battery System

compatible with  
High-voltage inverter

## Series6.

- **5.12kWh Rack** battery PACK, 100Ah cells (*IP20*)
- High-voltage control **BOX** and **BASE** (including inverter and battery connection cables and main control BMS)

(Single battery pack 5KWh, maximum 240KWh)



Warranty: **5 years**  
Transport Certificate:  
UN38.3

# Household PV-Storage All-in-one Battery Energy Storage System

Series1	
Series	AIO-SL series single-phase low-voltage integrated machine
Model	6KW@220VAC
Ac output power	9KW
Photovoltaic power	2.5V
Battery capacity	5KWh
Protection grade	IP65
Warranty	5 years
Transport Certificate	UN38.3



# Household PV-Storage All-in-one Battery Energy Storage System

	SeriesA	SeriesB	SeriesC
Series	Household Modular / Stackable All-in-One ESS		
Number of Modules	1	2	3
Nominal Capacity	8.038kWh	16.076kWh	24.114kWh
Rated Active Power	4kW	8kW	12kW
Size (L×W×H)	900*200*881 mm	900*200*1177 mm	900*200*1473 mm
Operatinon Temperature	Discharging: —20 to +55°C Charging: 0 to +55°C		
Cooling Mode	Intelligent Air Cooling + Phase-Change Thermal Management		
Application Scenario	Indoor / Outdoor		
Maximum AC Conversion Efficiency	≥98%		
Protection Level	IP67		

# Scenario Commercial & Industrial



**C&I Cell Product**

**C&I Battery Pack Product**

**C&I Battery Energy Storage System (BESS) Cabinet**

→ **C&I BESS Cabinet**

→ **C&I PV-Storage All-in-One Cabinet**



# C&I Cell Product

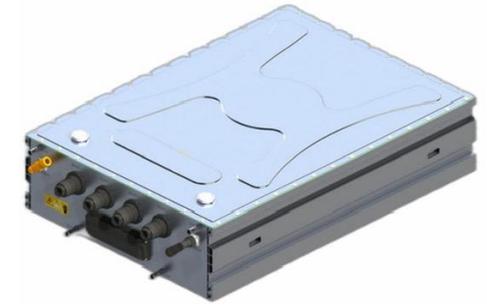
## Series1

Cell Type	LFP
Nominal Capacity	320Ah
Nominal Voltage	3.2V
Maximum Charge Voltage	3.65V
Discharge Cut-off Voltage	2.5V
Standard Charge and Discharge Current	0.5C
Maximum Continuous Charge and Discharge Current	1C
Maximum Pulse Discharge Current	3C 30s (25°C ±2, 50%SOC)
Operatinon Temperature	—30°C ~55°C
Cell Weight	6.3±0.05kg
Cycle Life (25±2°C , 0.5C/0.5C)	≥10000
Low Temperature Discharge Capacity	≥80% (-20°C)
Certification	GB/T-36276; IEC62619; RoHS; REACH; UL 1973; UL 9540A; UN38.3



# C&I Battery Pack Product

	Series1	Series2	Series3	Series4	Series5
Cell Type	LFP				
Group Scheme	1P52S			1P104S	
Nominal Capacity	280Ah	314Ah	280Ah	314Ah	
Nominal Voltage	166.4V			332.8V	
Operatinon Voltage	135.2~187.2 V	145.6~187.2 V	135.2~187.2 V	135.2~187.2 V	270.4~374.4 V
Weight	418kg		332kg	337kg	683kg
Operatinon Temperature	Discharging: —20 to +55°C Charging: 0 to +55°C				



# C&I Battery Pack Product

	Series1	Series2	Series3	Series4	Series5
Rated Charge and Discharge Power	0.5P				
Cooling Mode	Immersion Liquid Cooling & Heating		Active Liquid Cooling & Heating		
Protection Level	280Ah	314Ah	280Ah	314Ah	314Ah
Protection Level	IP68		IP67		
Lower Box Solution	Profile Lower Shell				
Upper Cover Solution	Sheet Metal Upper Cover				
Certification	GB/T-36276; IEC62619; RoHS; REACH; UL 1973; UL 9540A; UN38.3				



# C&I BESS Cabinet

		<b>SeriesA</b>
<b>Battery Parameters</b>	Cell Type	LiFePO <sub>4</sub> , 280Ah
	Battery Module Type	1P20S
	Battery cluster configuration	1P240S
	Battery voltage range	672V – 864V
	Battery capacity (BOL)	215 kWh
<b>General Parameters</b>	Size (L×W×H)	1186 ×1000 × 2334 mm
	Weight	2200 kg
	IP protection grade	IP55 (suitable for outdoor use)
	Cooling method	Air cooling
	Operating temperature	-30°C ~ 50°C
	Relative humidity	0–95% (non-condensing)
	Working altitude	< 3000 m
	Fire fighting system	Smoke detector + Gas detector + Novec1230
	Noise	≤75 dB

# C&I BESS Cabinet

		<b>SeriesA</b>
<b>General Parameters</b>	Noise	≤75 dB
	Cycle life	6000 cycles
	Communication	Ethernet, RS485
	Communication protocol	Modbus RTU, Modbus TCP/IP
	Certifications	Cell: IEC62619, UN38.3 Pack: UN38.3, IEC62619 System: IEC62619, UN3480



# C&I PV-Storage All-in-One Cabinet

## Series1

Battery cell	LFP 3.2V/314Ah
System Group Scheme	2*5Pack*1P52S
Nominal Voltage	332.8V
System Voltage range	291.2~374.4V
Nominal Capacity	104.499 kWh
Rated Active Power	40 kW
Weight	≈1500 kg
Cooling Mode	Liquid Cooling
Size (L×W×H)	935×1335×1835 mm
Maximum System Efficiency	≥90%
AC Input Voltage	380V/400V
Ac Grid Frequency	50 / 60 Hz
Power Factor	~1 (0.8 leading to 0.8 lagging)



# C&I PV-Storage All-in-One Cabinet

## Series1

THDi (Total Harmonic Distortion of current)

< 3%

Maximum Apparent Output Power

44kVA

Wiring Method

Three-phase Four-wire (3P4W)



# C&I PV-Storage All-in-One Cabinet

Series2、3



Series4



Series5、6



Series7



# C&I PV-Storage All-in-One Cabinet

	Series2	Series3	Series4	Series5	Series6	Series7
Cell Type	LFP 3.2V/280Ah	LFP 3.2V/314Ah		LFP 3.2V/280Ah	LFP 3.2V/314Ah	
System Group Scheme	5Pack*1P52S			8Pack*1P52S		5*4Pack*1P104S
Nominal Voltage	832V			1331.2V		
System Voltage range	728~936V			1164.8~1497.6V		
Nominal Capacity	232.96 kWh	261.24 kWh		372.736 kWh	417.997 kWh	2089 kWh
Rated Active Power	110 kW	125 kW		186 kW	200 kW	1000 kW
Weight	≈2700 kg	≈2730 kg	≈3000 kg	≈3800 kg	≈3842 kg	≈19 T
Size (L×W×H)	935*1350*2480 mm	1000*1350*2350 mm	1220*1415*2155 mm	1430*1405*2650 mm		4150*2500*3000 mm

# C&I PV-Storage All-in-One Cabinet

	Series2	Series3	Series4	Series5	Series6	Series7
Storage Temperature	—40~60℃					
Maximum System Efficiency	≥90%					≥86%
Wiring Method	Three-phase Four-wire (3P4W)					Three-phase Three-wire + Protective Earth (3P3W+PE)
Maximum Apparent Output Power	110kVA	137.5kVA	137kVA	237kVA		5*237kVA
AC Input Voltage	400V(-20%~15%)	380/400(-15%~15%)	400V(-20%~15%)	690V(-15%~10%)		
Ac Grid Frequency	50/60HZ(-2.5~2.5)			50/60HZ(-5~5)		

# C&I PV-Storage All-in-One Cabinet

	Series2	Series3	Series4	Series5	Series6	Series7
THDi (Total Harmonic Distortion of current)	< 3%					
Power Factor	0.99/-1~1					
Maximum AC Conversion Efficiency	98.50%	99%	98.50%	99%		
Rated AC Apparent Power	100kVA	125kVA		215kVA		5*215kVA
Anticorrosion Level	C5 (Selectable)					
Certification	GB/T-36276; IEC62477-1; IEC62619; IEC63056; UL 1973; UL 9540A; UN38.3					

# C&I PV-Storage All-in-One Cabinet

Series A、B



Series C、D



Series E、F、G



# C&I PV-Storage All-in-One Cabinet

		SeriesA	SeriesB	SeriesC	SeriesD	SeriesE	SeriesF	SeriesG	
<b>Battery Parameters</b>	Cell Type	LiFePO <sub>4</sub> , 314 Ah				LiFePO <sub>4</sub> , 280Ah			
	Battery Module Type	1P20S							
	Nominal Capacity	241 kWh	120 kWh		125~215 kWh		215 kWh		
<b>AC Side On-grid Parameters</b>	Wiring Method	Three-phase Four-wire (3P4W)							
	Charging / Discharging power	120 kW	60 kW	30 kW		50 kW	100 kW		
	Grid Voltage Range	400 V ±15%							
	Frequency Range	50 Hz ±5 Hz / 60 Hz ±5 Hz				50 Hz ±5 Hz			
	Rated AC Output Current	173A	87A	87A	43A		72A	144A	
	Power Factor	0.8 (Leading) ~ 0.8 (Lagging)							
	THDi (Total Harmonic Distortion of current)	≤3%(@rated power)							

# C&I PV-Storage All-in-One Cabinet

		SeriesA	SeriesB	SeriesC	SeriesD	SeriesE	SeriesF	SeriesG
<b>AC Side Off-grid Parameters</b>	Wiring Method	Three-phase Four-wire (3P4W)		Three-phase Three-wire + Protective Earth (3P3W+PE)		Three-phase Four-wire (3P4W)		
	Rated Output Power	120 kW	60 kW		30 kW		50 kW	100 kW
	Rated Output Voltage	400 V ±1%						
	Rated Output Frequency	50Hz / 60Hz				50Hz		
	Rated Current	173A	87A		43A		72A	144A
<b>General Parameters</b>	Size (L×W×H)	1392 × 1686 × 2093 mm		1220 × 2093 × 1340 mm		1392 × 1686 × 2093 mm		
	Max. Weight	2600 kg		1500 kg		2500 kg		
	Protection Level	IP55 (Battery Cabinet) IP54 (Electrical Cabinet)						

# C&I PV-Storage All-in-One Cabinet

		SeriesA	SeriesB	SeriesC	SeriesD	SeriesE	SeriesF	SeriesG
<b>General Parameters</b>	Cooling Method	Battery Cabinet: HVAC (Air Conditioning) Electrical Cabinet: Forced Air Cooling						
	Fire Fighting System	Combustible Gas Detection + Water Fire Suppression + Novec 1230 + (Optional) Aerosol Fire Extinguisher						
	Anti-Corrosion Grade	C3						
	Relative Humidity	0-95% (Non-condensing)						
	Operating Temperature*	—30~50℃						
	Operating Altitude	< 3000 m						
	Noise Emission	≤65 dB				≤75 dB		
	Communication Interface & Protocol	RS485, Ethernet; Modbus RTU, Modbus TCP/IP						
	Warranty	5-year Product Warranty;				10-year Performance Guarantee		

# C&I PV-Storage All-in-One Cabinet

		SeriesA	SeriesB	SeriesC	SeriesD	SeriesE	SeriesF	SeriesG
<b>PV Side Parameters (Optional)</b>	Max. PV Input Power	30 kW / 60 kW / 120 kW				30 kW / 60 kW	30 kW / 60 kW / 90 kW / 100 kW	30 kW / 60 kW / 90 kW / 120 kW
	MPPT Voltage Range	300~800 V ( $\leq 241$ kWh); 300~680 V ( $\leq 241$ kWh)	300~800 V			300~800 V ( $< 215$ kWh); 300~680 V ( $= 215$ kWh)		
	Number of MPPT	1 / 1 / 2				1 / 1	1 / 1 / 2 / 2	
	Number of PV Inputs	1 / 1 / 2				1 / 1	1 / 1 / 2 / 2	
	Max. Input Current	100A / 200A / 400A				100A / 200A	100A / 200A / 300A / 400A	

# C&I PV-Storage All-in-One Cabinet

	SeriesA	SeriesB	SeriesC	SeriesD	SeriesE	SeriesF	SeriesG
Certification	<p>System: CE (IEC61000, IEC62477), IEC62619, UN3480, CEI021, CEI016, VDE2510, IEC63000-ROHS, IEC62933</p> <p>PCS: G99, IEC62109, NC-RfG, EN/IEC62477, EN50549-1, EN50549-2, EN/IEC61000, AS/NZS 4777, VDE4105, NRS097, VDE4110, R25&amp;TOR, C10/11, EFS2018, etc.</p> <p>Cell: IEC62619, UL1973, UL1642, UL9540A, ROHS</p> <p>PACK: UN38.3</p>				<p>System: CE (IEC61000, IEC62477), IEC62619, UN3480, CEI021, CEI016, VDE2510, IEC63000-RoHS, IEC62933</p> <p>PCS: G99, NC-RfG, EN/IEC62477, EN50549-1, EN50549-2, EN/IEC61000, AS/NZS 4777, VDE4105, NRS097, VDE4110, R25&amp;TOR, C10/11, EIFS2018, etc.</p> <p>Cell: IEC62619, UL1973, UL1642, UL9540A, RoHS, UN38.3</p> <p>Pack: UN38.3</p>		
Notice	<ul style="list-style-type: none"> <li>• The system will be derated when the ambient temperature exceeds 45 °C.</li> <li>• The system will be derated when the altitude exceeds 3000 m.</li> </ul>						

# Scenario Utility-Scale



# Utility-scale Containerized BESS



# Utility-scale Containerized BESS

Series1



Series2



Series3



# Utility-scale Containerized BESS

	Series1	Series2	Series3
Cell Type	LFP 3.2V/280Ah	LFP 3.2V/314Ah	LFP 3.2V/587Ah
System Group Scheme	9*8Pack*1P52S	12*4Pack*1P104S	8*4Pack*1P104S
Nominal Voltage	1331.2V		
Energy Storage Voltage	1164.8~1497.6V		
Nominal Capacity	3.354MWh	5.016MWh	6.25MWh
Rated Active Power	1.675MW	2.5MW	3.125MW
Operatinon Temperature	Discharging: —20 to +55°C Charging: 0 to +55°C		
Relative Humidity	0-95% (Non-condensing)		
Cooling Mode	Active Liquid Cooling		
Fire Fighting Mode	Pack Level Fire Warning (Perfluorohexanone)		
Altitude	≤2000m (>2000m, Underclocking Use)		
Protection Level	Cabient:IP55, PACK:IP67		
Size( L*W*H)	6058*2600*2896mm	6058*2438*2896mm	
Weight	35 ton	47 ton	47 ton
Certification	GB/T-36276; IEC62477-1; IEC62619; IEC63056; UL 1973; UL 9540A; UN38.3		

# Utility-scale Containerized BESS

Series A、 B、 C、 D



# Utility-scale Containerized BESS

		SeriesA	SeriesB	SeriesC	SeriesD
<b>Battery Parameters</b>	Cell Type	LiFePO <sub>4</sub> , 314Ah			
	Battery Module Type	8 × 1P280S		6 × 1P280S	
	Nominal Capacity	2250 kWh		1688 kWh	
<b>AC Output Parameters</b>	Rated Output Power	960 kW	1000 kW	480 kW	360 kW
	Rated Voltage	400 V			
	Rated Grid Frequency	50 Hz ±5 Hz / 60 Hz ±5 Hz			
	Max. Output Current	1385A	1443A	692A	519A
	THDi (Total Harmonic Distortion of current)	<3%(@rated power)			
	Wiring Method	Three-phase Four-wire + Protective Earth (3P4W+PE)			

# Utility-scale Containerized BESS

		SeriesA	SeriesB	SeriesC	SeriesD
<b>General Parameters</b>	Max. PV input power	—	—	600 kW	720 kW
	number of MPPT	—	—	10	12
	MPPT voltage range	—	—	200 V ~ 750 V	
	Protection level	IP55 (Battery Cabinet) IP54 (Electrical Cabinet)			
	Anti-corrosion grade	C3			
	Operating temperature	—30~50°C			
	Relative humidity	0 ~ 95% (non-condensing)			
	Operating altitude	< 3000 m			
	Noise emission	≤65 dB			
	Size( L*W*H)	20HQ container (2896 × 6058 × 2438 mm)			
	Max. weight	27,000 kg			
	Fire fighting system	Combustible gas detection + water fire suppression + Novec1230 + (optional) aerosol fire extinguisher			

# Utility-scale Containerized BESS

		SeriesA	SeriesB	SeriesC	SeriesD
General Parameters	Communication interface & protocol	Ethernet, Modbus TCP/IP			
	Warranty	5-year product warranty / 10-year performance guarantee			
	Certification	System: UN3536, IEC61000, IEC62477, IEC62619, RoHS			
		Cell: IEC62619, UL1973, UL1642, UN38.3, UL9540A, GB/T 36276-2018, RoHS			
		Pack: UN38.3			
	Notice	<ul style="list-style-type: none"> <li>• The system will be derated when the ambient temperature exceeds 45 °C.</li> <li>• The system will be derated when the altitude exceeds 3000 m.</li> </ul>			

# Scenario

# Charging & Storage

# / Mobile

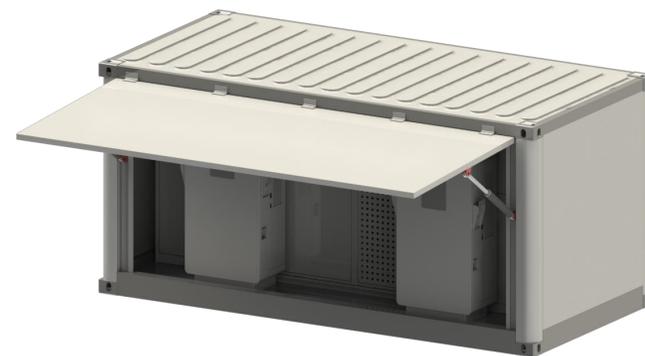


# Charging & Storage All-in-One Cabinet



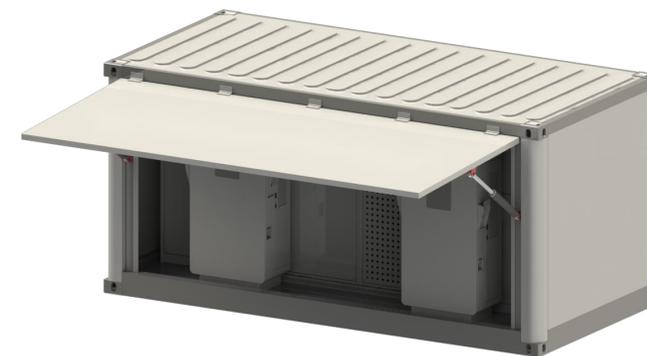
# Charging & Storage All-in-One Cabinet

	Series1
Cell Type	LFP 3.2V/314Ah
System Group Scheme	2*5Pack*1P52S
Nominal Voltage	832V
System Voltage range	676~936V
Nominal Capacity	522.496kWh
Rated Active Power	125 kW*2
Max Power	137kW*2 (Long-term Operation)
Operatinon Temperature	Discharging: —20 to +55°C Charging: 0 to +55°C
Storage Temperature	—40~60°C
Relative Humidity	0-95% (Non-condensing)
Altitude	≤2000 m (>2000 m, Underclocking Use)
Cooling Mode	Liquid Cooling



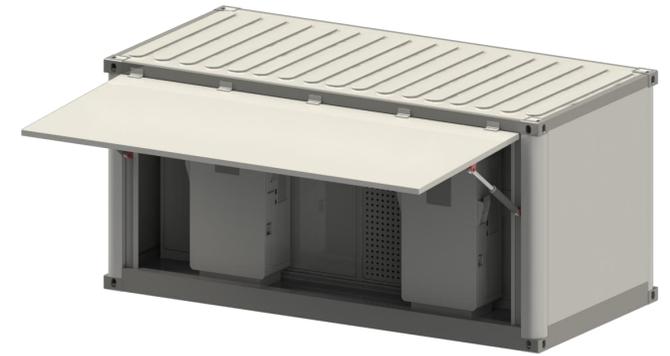
# Charging & Storage All-in-One Cabinet

	Series1
Fire Fighting Mode	Pack Level Fire Warning (Perfluorohexanone)
Protection Level	Cabinet:IP54
Size( L*W*H)	4200*2100*2100 mm (Without Car)
Application Vehicle Type	4.2m Truck
AC Input Voltage	380V±15%
Ac Grid Frequency	50Hz±10%
Output Voltage Error	≤0.5%
Output Current Error	≤±1% (I≥30A); ≤±0.3A (I < 30A)
Voltage Regulation Accuracy	≤±0.5%
Current Regulation Accuracy	≤±1%
Ripple Coefficient	≤1%
Average Efficiency	≥93% (P≥50%)
Power Factor	≥0.98 (P≥50%)



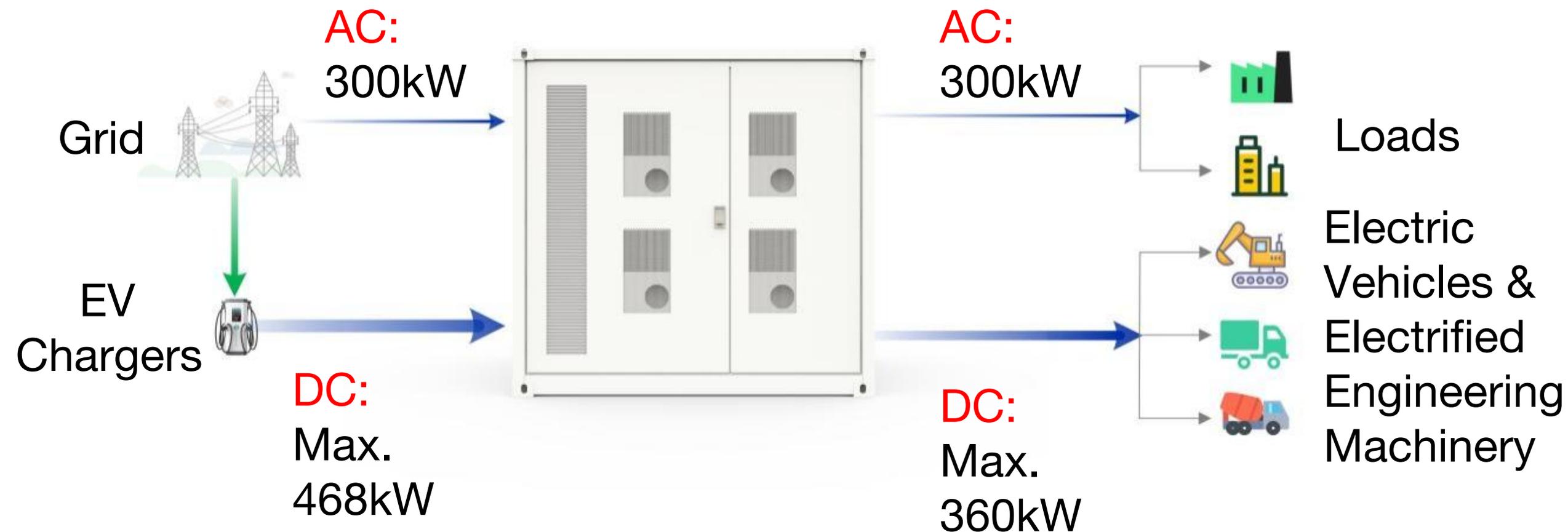
# Charging & Storage All-in-One Cabinet

	Series1
Dielectric Strength	No Breakdown & Flashover
Insulation Resistance	$\geq 10\text{M}\Omega$
Noise	$\leq 60\text{ dB}$
Cooling Mode	Air Cooling
Protection Level	IP54
Touch Screen	7 Inch LED, 800*480 mm
Certification	GB/T-36276; IEC62477-1; IEC62619; IEC63056; UL 1973; UL 9540A; UN38.3



# Charging & Storage All-in-One Cabinet

Series A、B



# Charging & Storage All-in-One Cabinet

		SeriesA	SeriesB
<b>Battery Parameters</b>	Cell Type	LiFePO <sub>4</sub> , 314Ah	
	Battery Module Type	1P20S	
	Nominal Capacity	522 kWh	1044 kWh
	Charging / Discharging power	250 kW	500 kW
<b>AC Output (Off-Grid) Parameters</b>	Wiring Method	3F+N+PE	
	AC input current	173A / 125A / 63A / 32A	433A / 125A / 63A / 32A
	Rated input voltage	400 V	
	Frequency	50 Hz / 60 Hz	
	Power factor	0.8 (Leading) ~ 0.8 (Lagging)	
	Output interface	Powerlock 500A 5P (3F+N+PE) 400V; CEE 125A 5P (3F+N+PE) 400V; CEE 63A 5P (3F+N+PE) 400V; CEE 32A 5P (3F+N+PE) 400V	

# Charging & Storage All-in-One Cabinet

		SeriesA	SeriesB
<b>DC Input Parameters</b>	DC max. input power	468 kW	
	Rated input voltage	728 ~ 936 V	
	Max. charging current	314 A	500 A
	Input interface	CCS2	
<b>DC Charger Parameters</b>	DC output power	240 kW	360 kW
	Output voltage range	150 – 1000 V	
	Output current	Single gun rated at 375 A	
	Max. output current (per charging gun)	500 A	
	Output interface	2 × CCS2, wire length	

# Charging & Storage All-in-One Cabinet

		SeriesA	SeriesB
<b>General Parameters</b>	Product configuration	All-in-one, integrated charger, power conversion, switchgear, etc.	
	Operation mode	On-grid / Off-grid	
	Protection level	IP54	
	Cooling method	HVAC	
	Fire fighting system	Novec1230 & water fire suppression + automatic fire extinguishing system	
	Anti-corrosion grade	C3	
	Seismic rating	8	
	Relative humidity	0 – 95% (non-condensing)	
	Operating temperature	–30 °C ~ +50 °C	
	Operating altitude	< 3000 m	
Noise emission	≤65 dB		

# Charging & Storage All-in-One Cabinet

		SeriesA	SeriesB
<b>General Parameters</b>	Installation mode	Hoisting or forklift	
	Communication modes	4G SIM card	
	Control method	HMI local control	
	Dimension	10 ft international standard HQ	
	Max. weight	About 9500 kg	About 14000 kg
	Certification	CE, UN3536, IEC62619	
	Notice	<ul style="list-style-type: none"><li>• The system will be derated when the ambient temperature exceeds 45 °C.</li><li>• The system will be derated when the altitude exceeds 3000 m.</li></ul>	

# Scenario Portable



# Portable Power Station

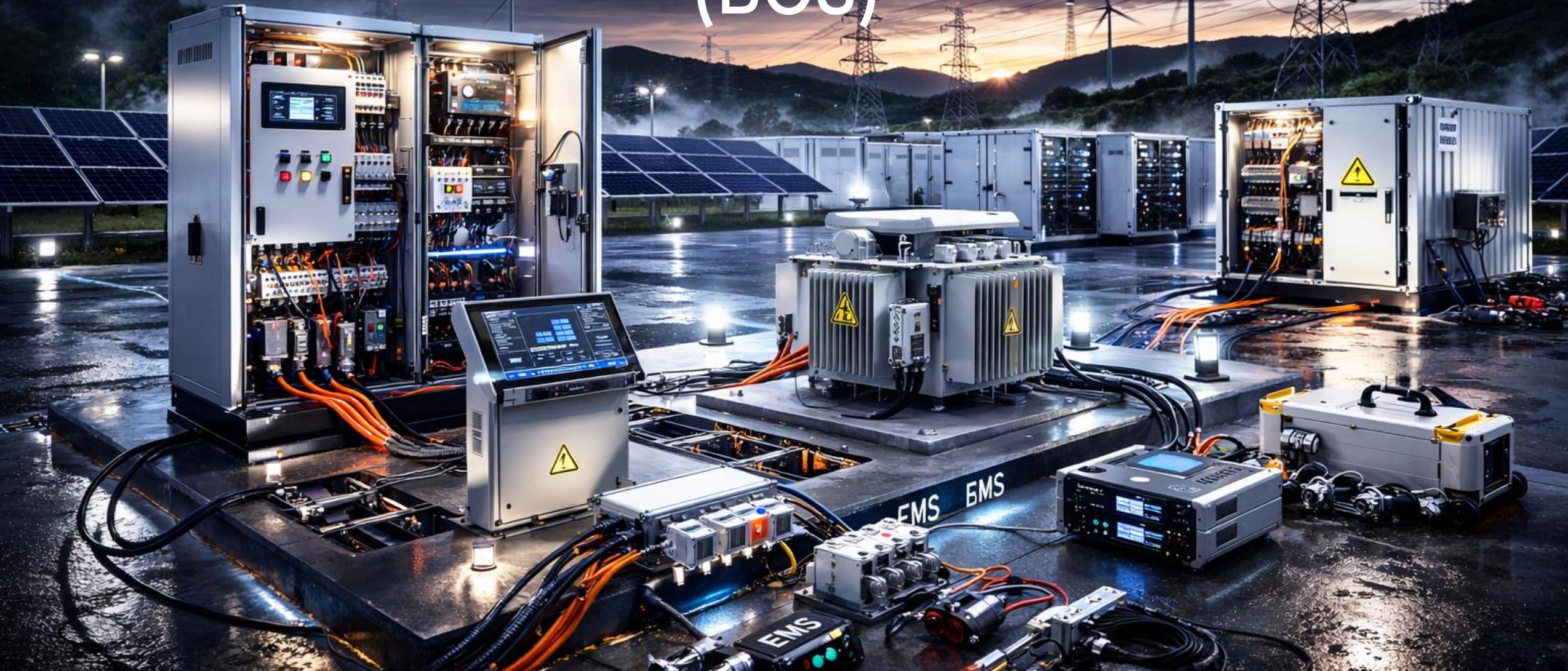


# Portable Energy Storage Product

	Series1
Cell Type	LFP 3.2V/205Ah
Nominal Capacity	5.12kWh
Size( L*W*H)	470*290*630 mm
Operatinon Temperature	Discharging: —20 to +55°C Charging: 0 to +55°C
Cooling Mode	Air Cooling
Application Scenario	Indoor / Outdoor
Maximum Output Power	1400 W
Certification	GB/T 36276, IEC 62040-1, IEC 62619, IEC 63056, UL 1973, UL 9540A, UN 38.3



# Scenario Auxiliary Equipment / Balance of System (BOS)



# PCC Auto On-off Grid Switching Cabinet

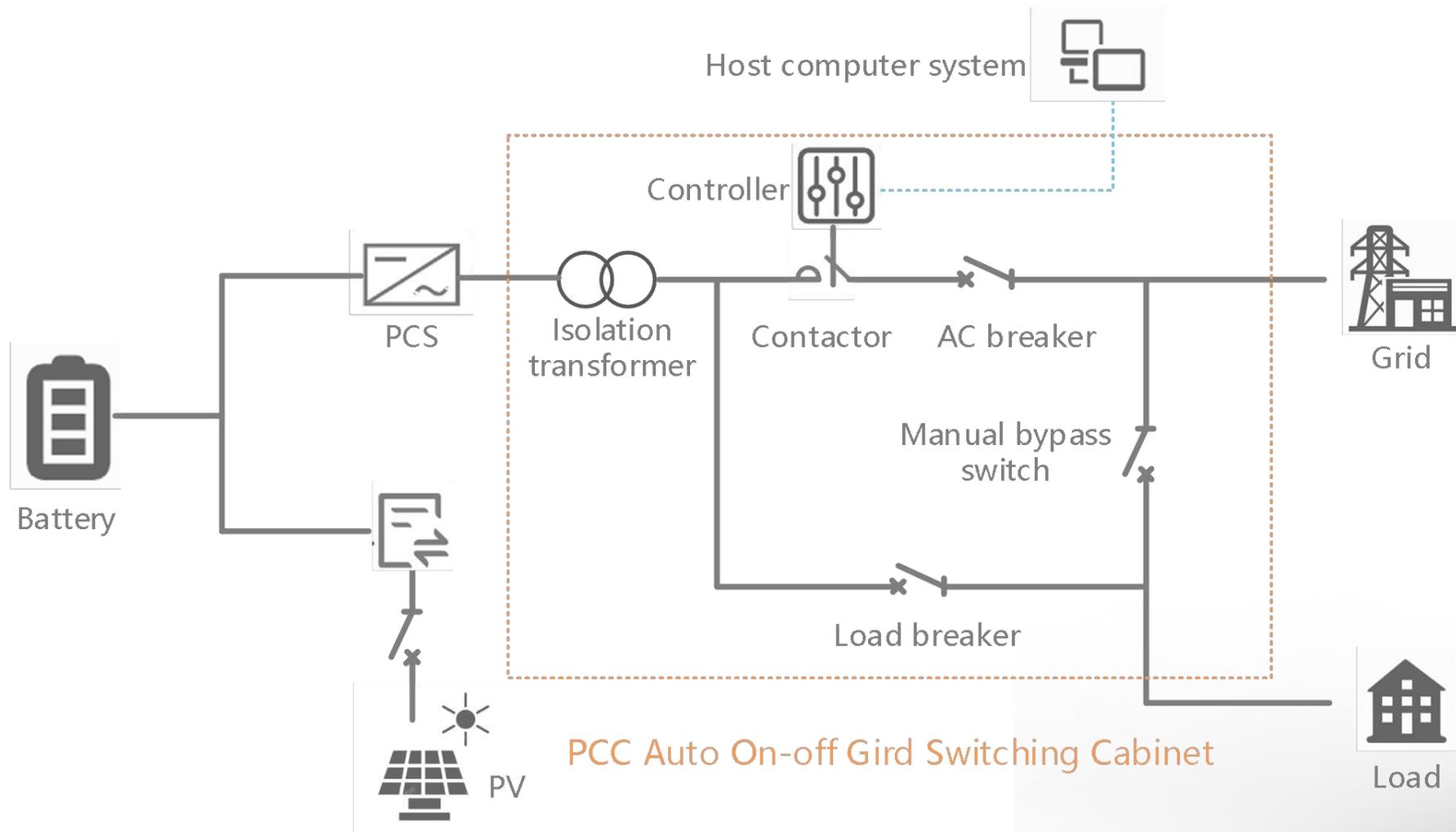
## Power Distribution Cabinet

### Energy Management System



# PCC Auto On-off Grid Switching Cabinet

Series A、B、C、D



PCC Auto On-off Grid Switching Cabinet



# PCC Auto On-off Grid Switching Cabinet

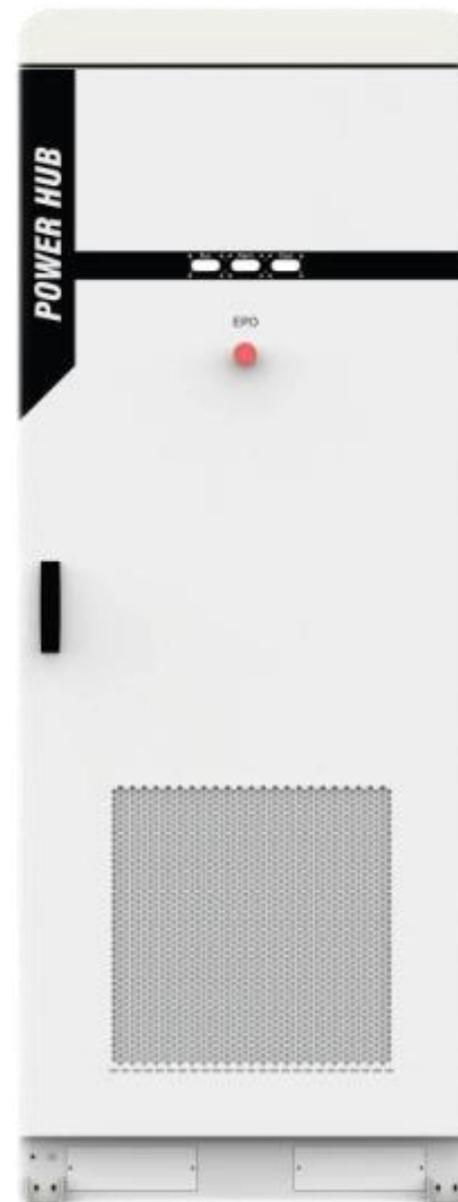
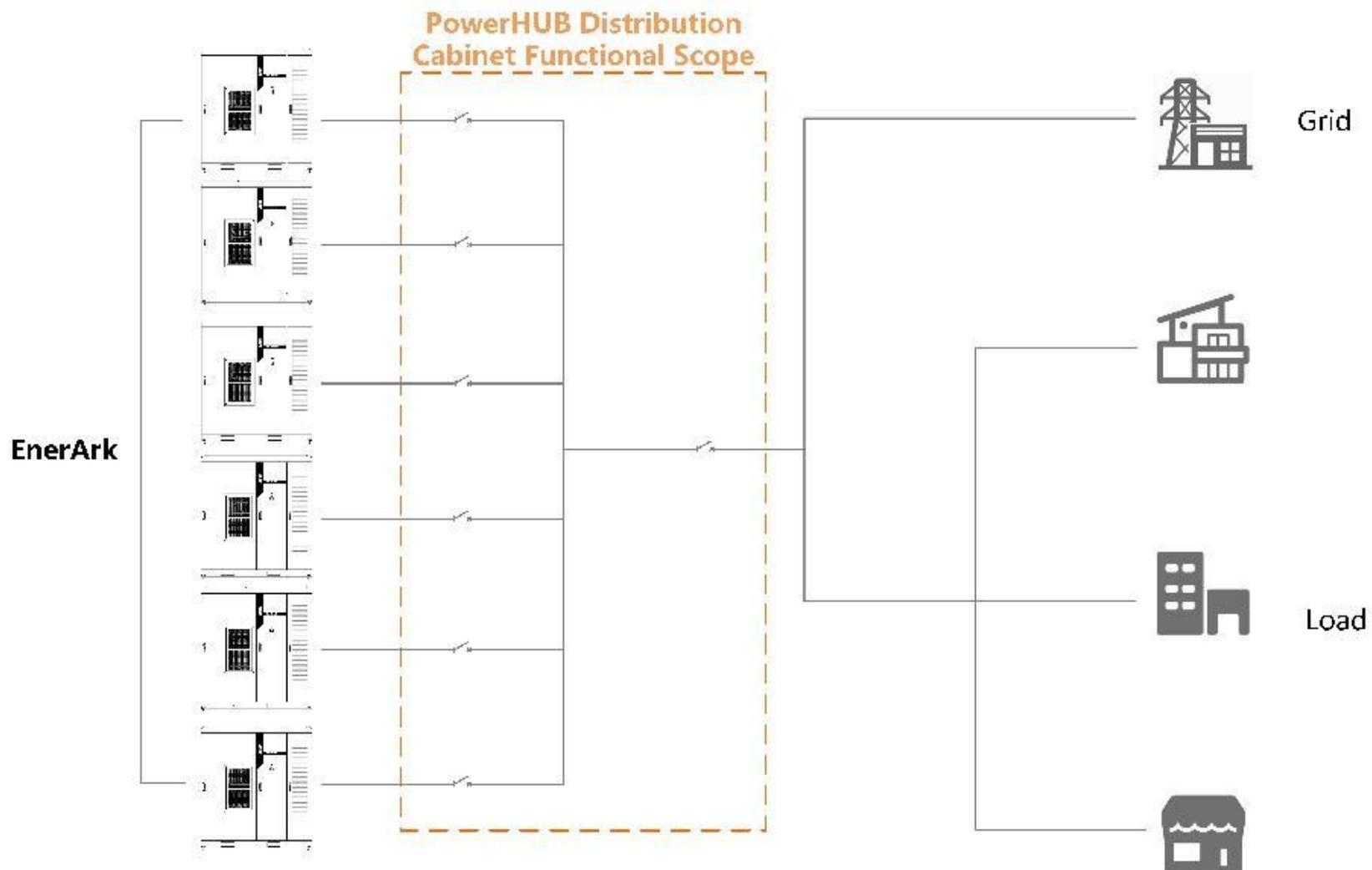
		SeriesA	SeriesB	SeriesC	SeriesD
Basic Parameters	Rated power	75kVA	125kVA	250kVA	375kVA
	Wiring Method	Three-phase Four-wire + Protective Earth (3P4W+PE)			
	Rated grid voltage	AC 400 V			
	Voltage range	AC400V±15%			
	Rated frequency	50/60 Hz			
	Frequency range	50/60 Hz (±2.5 Hz)			
	Long-term overload capability	110%			
	Off-grid → On-grid automatic switching time	13~24 ms			
	On-grid → Off-grid automatic switching time	25~42 ms			
	Rated output current	33~58 ms			
	Rated input current	40~65 ms			
	Max. efficiency	99%			
	Auto-protection	Grid-side overvoltage, Undervoltage, Overfrequency, Underfrequency, Overtemperature, Emergency stop and Output overload protection			

# PCC Auto On-off Grid Switching Cabinet

		SeriesA	SeriesB	SeriesC	SeriesD
<b>General Parameters</b>	Isolation transformer	YES			
	Protection level	IP54			
	Cooling method	Forced air cooling			
	Anti-corrosion grade	C3			
	Operating temperature	-30℃ ~ 50℃			
	Relative humidity	0-95% (non-condensing)			
	Operating altitude	< 3000 m			
	Noise emission	≤75 dB			
	Size( L*W*H)	900×850×2100 mm		1000×1000×2100 mm	
	Max. weight	1000 kg		1600 kg	
	Number of grid inputs	1			
	Number of PCS inputs	1			
	Number of load inputs	1			
	Communication interface	1 × RS485, 1 × CAN			
Communication protocol	Modbus-RTU, CAN2.0B				
Notice	<ul style="list-style-type: none"> <li>• The system will be derated when the ambient temperature exceeds 45 °C.</li> <li>• The system will be derated when the altitude exceeds 3000 m.</li> </ul>				

# Power Distribution Cabinet

Series A、B、C



# Power Distribution Cabinet

		SeriesA	SeriesB	SeriesC
<b>Basic Parameters</b>	Rated power	200 kW	400 kW	600 kW
	Accessible power range	0–240 kW	240–400 kW	400–720 kW
	Number of interfaces	2	4	6
	Rated power of single interface	100 kW		
	Rated current of single interface	144 A		
	Wiring method	Three-phase Four-wire + Protective Earth (3P4W+PE)		
	Rated grid voltage	AC 400 V		
	Voltage range	AC 400 V $\pm 15\%$		
	Rated frequency	50 Hz		
	Frequency range	50 ( $\pm 5$ ) Hz		
	Rated output current	288 A	577 A	866 A
	Max. current	346 A	577 A	1039 A
Auto-protection	Lightning protection, leakage protection			

# Power Distribution Cabinet

		SeriesA	SeriesB	SeriesC
<b>General Parameters</b>	Protection level	IP54 (outdoor installation)		
	Cooling method	Forced air cooling		
	Anti-corrosion grade	C3		
	Operating temperature	-30°C ~ 50°C		
	Relative humidity	0-95% (non-condensing)		
	Operating altitude	< 3000 m		
	Noise emission	≤75 dB		
	Size( L*W*H)	870 × 800 × 2100 mm		
	Max. weight	400 kg		
	Number of grid inputs	1		
	Communication interface	RS485, Ethernet		
	Communication protocol	Modbus RTU, Modbus TCP/IP		
	Certification	CE (IEC61000, IEC62477)		
	Notice	<ul style="list-style-type: none"> <li>• The system will be derated when the ambient temperature exceeds 45 °C.</li> <li>• The system will be derated when the altitude exceeds 3000 m.</li> </ul>		

# Energy Management System



## Supports Local Web and Cloud Access

- VPN and/or SCADA control.
- Remote operation and maintenance.



## Operation Data Management

- Running status is visible and controllable in real time.
- Whole life cycle running data can be traced.
- Anytime & anywhere energy management.



## Benefits from Time-of-Use Tariff

- AI algorithm flexibly adapts to the grid and load changes and make energy saving plan based on energy consumption analysis.



## Microgrid Control

- Battery /PCS coordination management.
- Multi-energy complementary supports solar, wind turbine, diesel generator and other energy control.
- Customized energy demands for multi\_x0002\_operating modes and control strategies

# Energy Management System

		<b>Series1</b>
<b>General Parameters</b>	Power supply method	DC 12V, 9A
	Display size	10.1 inches
	DPI (px)	1280 × 800
	Ingress protection	IP20
	Operating ambient temperature	-20℃ ~ 50℃
	Operating humidity	10% – 95%
	Size( L*W*H)	320 × 60 × 500 mm
	Weight	About 9 kg
	Warranty	5 years
<b>Function Parameters</b>	Mode	On-grid, peak-load shifting, PV output smoothing, backup power
	Data display	YES
	Human Machine Interface (HMI)	YES
	Local parameter configuration	YES
	Data return	YES
	Data storage	YES

# Energy Management System

		<b>Series1</b>
<b>External Data Interface Parameters</b>	Ethernet	2 × Intel® I210AT GbE LAN ports
	USB	4 × USB 2.0 (Max. 500 mA each)
	SIM	1 × SIM card holder (optional)
	COM1	2 × RS485
	COM2	2 × RS485
	COM3	2 × RS485
	Antenna	1 × 4G (optional)