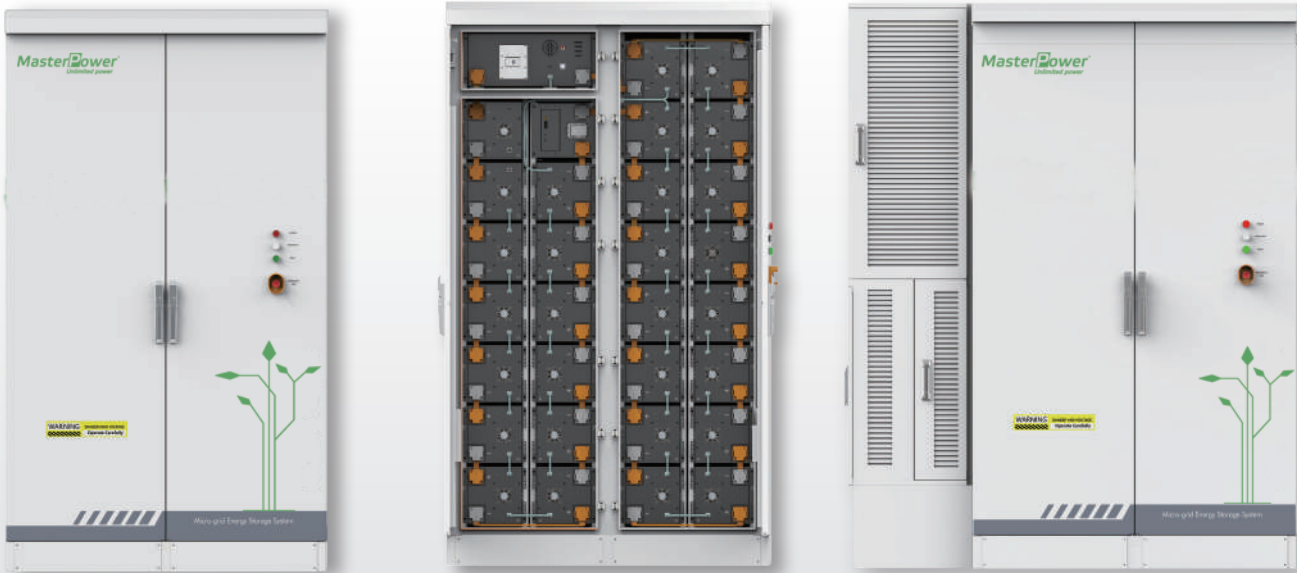


207 kWh ESS Platforms

SCSCabinet



SCSCabinet 207kWh Platforms

State-of-the-art microgrid energy storage solution caters to businesses seeking optimized energy usage with high efficiency, reliability, and scalability options.

AC System

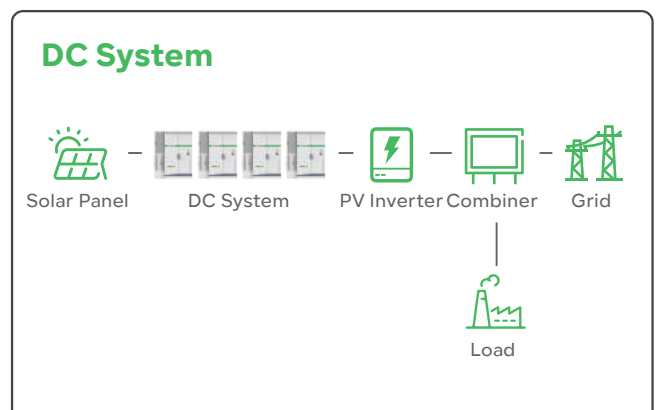
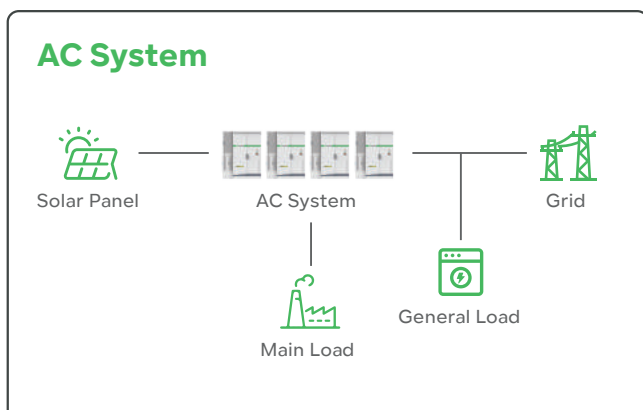
Empowering with Solar Energy: Harness the sun's power efficiently with MPPT technology.

Cost-Effective and Sustainable: Connect to the grid, input energy when prices are low, and export excess renewable energy when it's abundant. Our energy storage box delivers two-way energy flow, reducing electricity costs and enhancing sustainability

DC System

Empowering with Solar Energy: Harness the sun's power efficiently with MPPT technology.

Wide Voltage Range: Adjustable output voltage to accommodate diverse application scenarios



207 kWh ESS Platforms

Battery Energy Storage

Cell Type	LFP 3.2V/280AH
Module Combination	1P8S
System Combination	29 modules in series
Capacity (kWh)	207.872
Nominal Voltage (V)	742.4
Voltage Range (Vdc)	679.76~823.6
Discharge Depth	90% DoD
Service Life	>8000 cycles@80%DoD
Thermal Management Mode	Air Conditioner
Thermal Control Management	Aerosol Extinguishing(optional)

AC System(With PCS & MPPT)(optional)

Dimensions(W*D*H)	1780*1154*2237mm / 70*45*88in
Total Weight	2600kg / 5732lb

PV Input

Input Voltage(V)	300~825
Max Input Current(A)	50*4
Rated Power (kW)	120
Number of MPPT	4
No. of PV Strings per MPP Trackers	4
Alarm and Protection	Over voltage and low voltage alarm with shut down protection

AC Output

Rated Grid Voltage (Vac)	230/400, 3P+N+PE
Maximum Continuous Input Current(Aac)	172
Rated frequency(Hz)	Grid-tied: 50 Off-grid: 50/60
Rated Power (kW)	120
Power Factor	0.8cap-0.8ind
Off-grid Unbalanced Load Capacity	100%
Overload Capacity	35°C 110%~120%@10 min,120%@1 min
Switching Time	from grid-connected to off-grid≤ 20ms

System Characteristic

Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	3 years free, paid from the 4th to the 15th year
Battery Certifications	UL1973, UL9540 UL9540A, IEC62619, UN38.3
Grid-tied Standard	EN50549
Safety Certification	CE
EMC Standard	FCC

General Parameters

(Battery cabinet)

Dimensions(W*D*H)	1295*1154*2237mm / 51*45*88in
Total Weight	2450kg / 5401lb
Cooling	Forced Air Cooling
Operation Altitude	2000m / 6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-20°C to 55°C
Operating Humidity (RH)	0 to 95%
Storage Conditions	-20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial

DC System(With DCDC & MPPT)(optional)

Dimensions(W*D*H)	1780*1154*2237mm / 70*45*88in
Total Weight	2600kg / 5732lb

PV Input

Input Voltage(V)	300~825
Max Input Current(A)	50*4
Rated Power (kW)	120
Number of MPPT	4
No. of PV Strings per MPP Trackers	4
Alarm and Protection	Over voltage and low voltage alarm with shut down protection

DCDC Output

Maximum Load Power	90kW@Voltage >300Vdc
voltage Range (Vdc)	150~1000
Current Range (A)	0-300
Current Sharing	<±1 A
Voltage Stabilized Accuracy	<±0.5%
Current Stabilized Accuracy	≤±1%(output power in 20%~100%)

System Characteristic

Number of parallel connections	10
Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	3 years free, paid from the 4th to the 15th year
Safety Certification	UL2202, EN61851-1, EN61851-23
EMC Standard	EN61851-21-2, class B
Battery Certifications	IEC62619/UN38.3