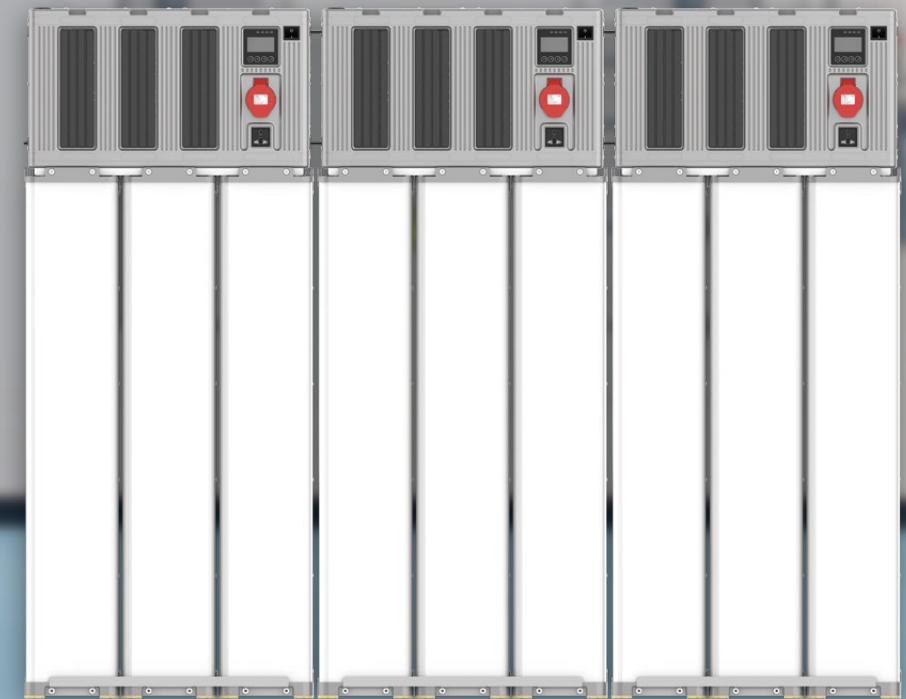
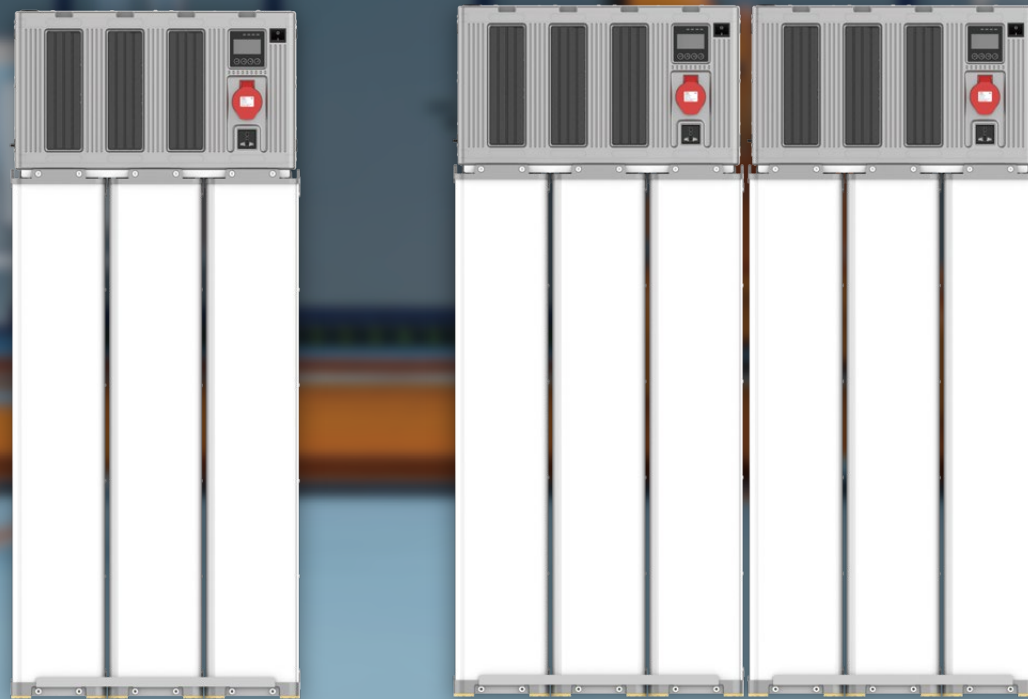


380V System Solution

- The residential power grid is transformed into a manufacturing plant.

Off-Grid PV Support — 380V Output

- Addressing the power supply for small production units.
- Providing efficient and stable solutions for high-power electrical equipments.





In regions without electricity, solar panels can charge during the day, and stored energy can be used at night for lighting or other power needs.

In areas with high electricity prices, the system can be used for peak and valley energy storage: charge during off-peak times when electricity is cheaper, and use the stored energy during peak times when electricity is more expensive.

Suitable for charging piles larger than 7kW, industrial and commercial heating heat pumps, booster pumps, circulation pumps, irrigation pumps, electric lights and other projects.

380V/18kW 45kWh

Charging, Storage and Inversion Integration Standard Solution

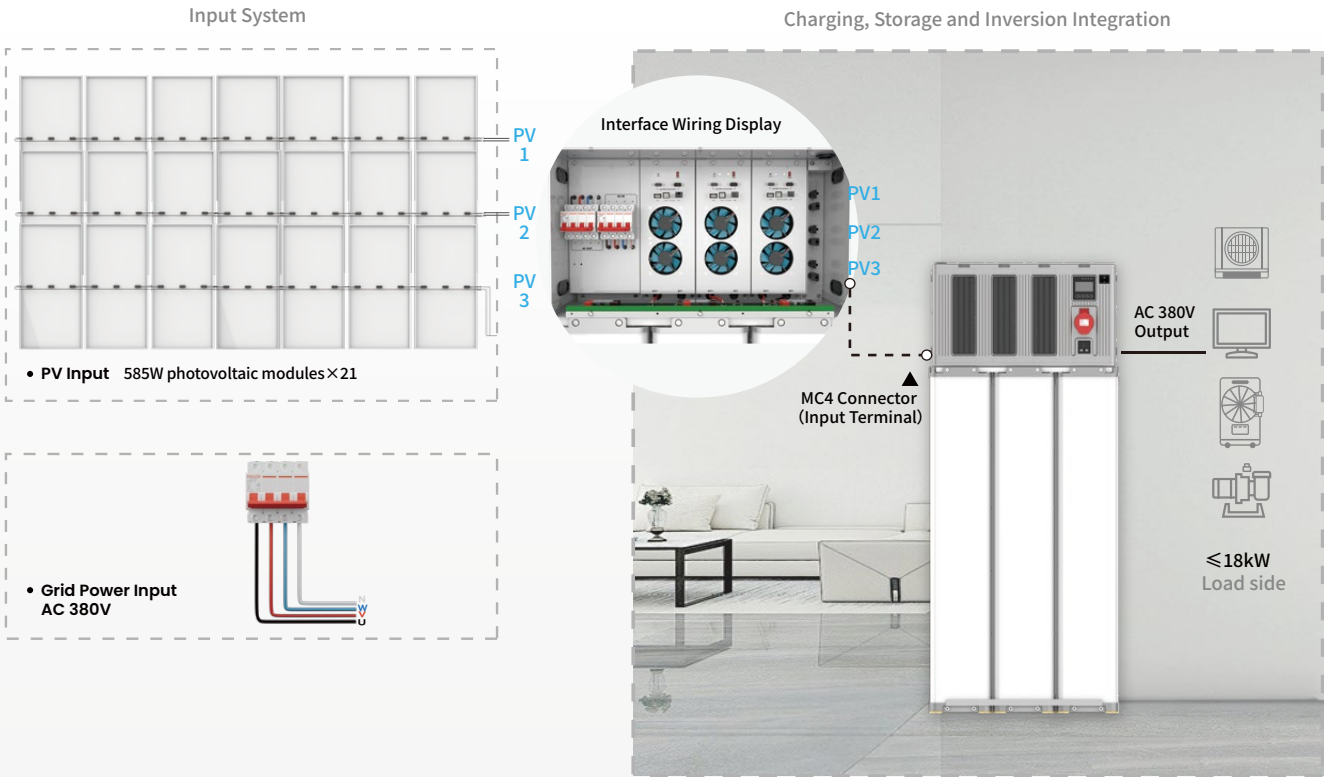
Introduction to Standard Solutions

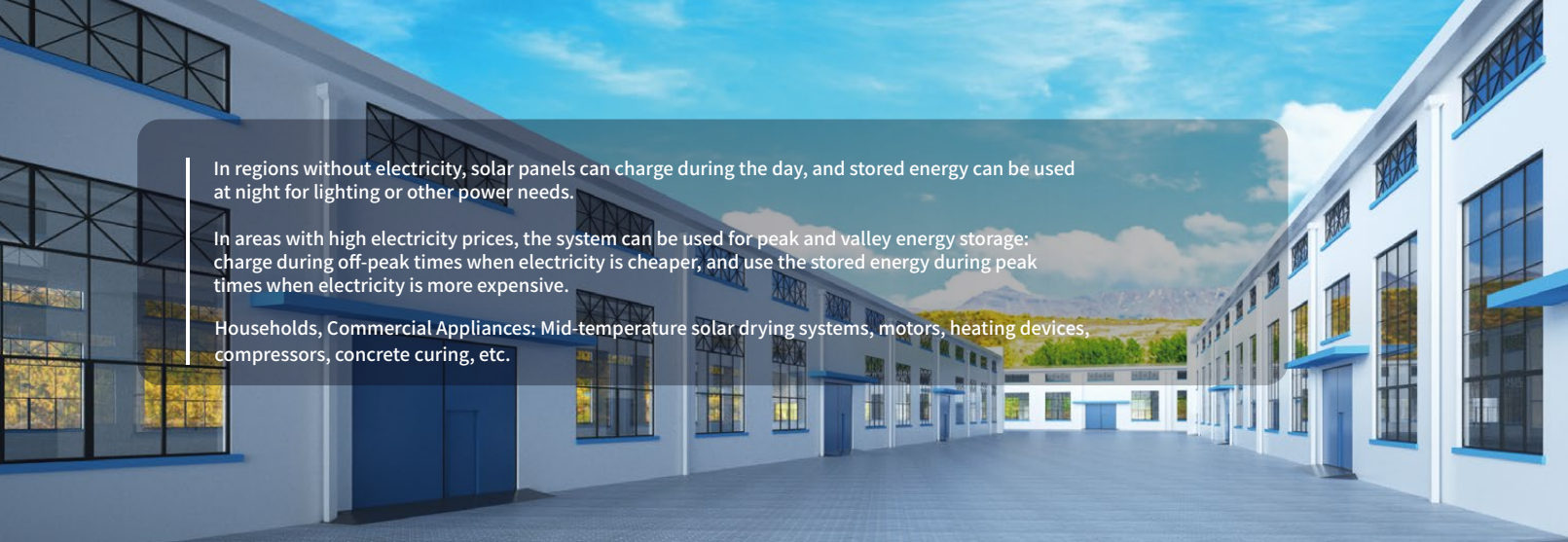


Technical Parameters

Battery Parameter		Photovoltaic/AC Input	
Nominal capacity	900Ah	Rated input voltage (VAC)	360/380/400/420;U+V+W+N+PE
Nominal voltage	51.2V	Phase voltage range (VAC)	90~280±3(normal mode);170~280±3(UPS mode)
Electricity(kWh)	45kWh	Frequency (Hz)	50/60(auto adaptive)
Inverter AC Output		Solar charger type	MPPT
Max power (kw)	18kW	Max PV input current / input power	18A/6000W ×3
Voltage (VAC)	360/380/400/420	MPPT range@operating voltage per unit (VDC)	120~450
Power factor (PF)	1	Max PV open circuit voltage per unit (VDC)	500
Frequency	50/60Hz±0.1%	Max PV charge current (A)	240
Switch time (ms)	10(normal mode)/ 10(UPS mode)	Max AC charge current (A)	240
Wave form	Pure sine wave	Max. charge current (PV + AC)(A)	240
Overload capacity (battery mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load		
Max. Efficiency (battery mode)	93%@48VDC		
Max.Parallel Quantity	3 groups(54kW)		

System Connection Display





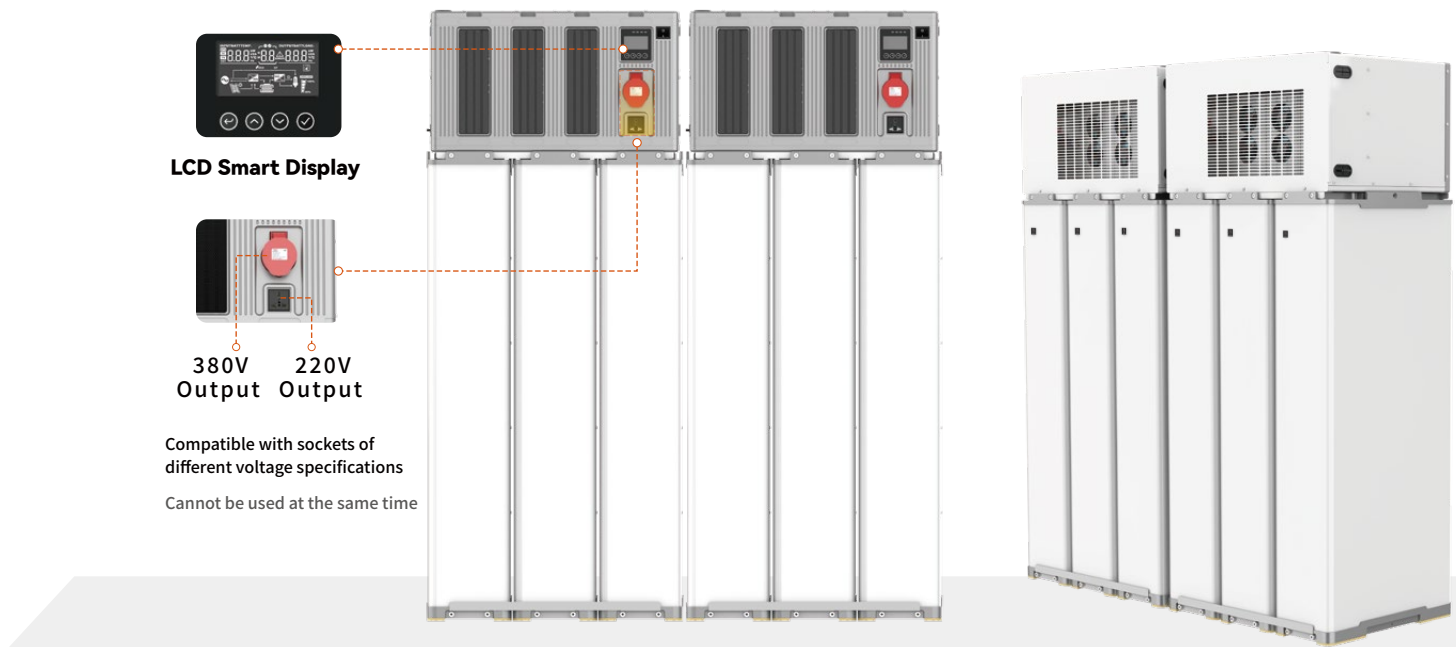
In regions without electricity, solar panels can charge during the day, and stored energy can be used at night for lighting or other power needs.

In areas with high electricity prices, the system can be used for peak and valley energy storage: charge during off-peak times when electricity is cheaper, and use the stored energy during peak times when electricity is more expensive.

Households, Commercial Appliances: Mid-temperature solar drying systems, motors, heating devices, compressors, concrete curing, etc.

380V/36kW 90kWh

Charging, Storage and Inversion Integration Standard Solution
Introduction to Standard Solutions



Technical Parameters

Battery Parameter

Nominal capacity	1800Ah
Nominal voltage	51.2V
Electricity(kWh)	90kWh

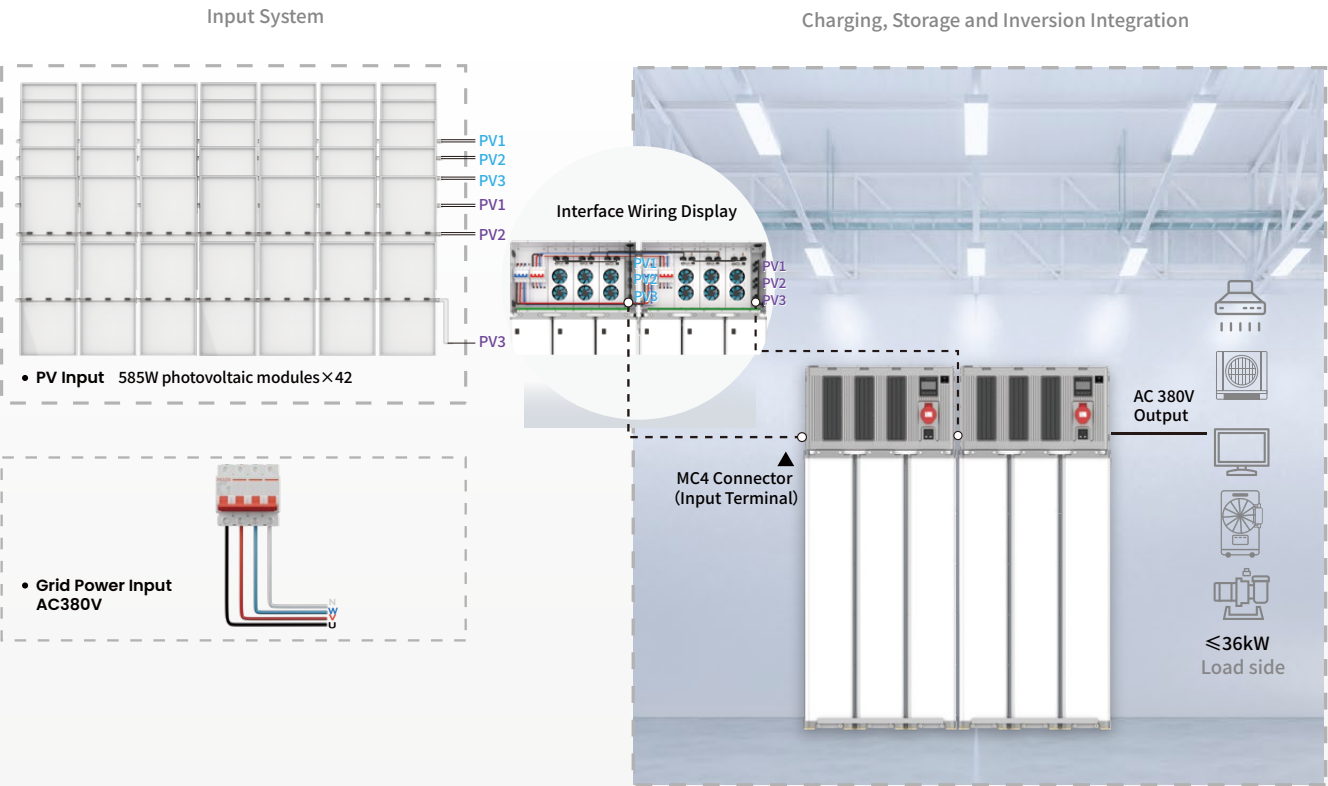
Inverter AC Output

Max power (kw)	36kW
Voltage (VAC)	360/380/400/420
Power factor (PF)	1
Frequency	50/60Hz±0.1%
Switch time (ms)	10(normal mode)/ 10(UPS mode)
Wave form	Pure sine wave
Overload capacity (battery mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (battery mode)	93%@48VDC

Photovoltaic/AC Input

Rated input voltage (VAC)	360/380/400/420;U+V+W+N+PE
Phase voltage range (VAC)	90~280±3(normal mode);170~280±3(UPS mode)
Frequency (Hz)	50/60(auto adaptive)
Solar charger type	MPPT
Max PV input current / input power	18A/6000W ×6
MPPT range@operating voltage per unit (VDC)	120~450
Max PV open circuit voltage per unit (VDC)	500
Max PV charge current (A)	480
Max AC charge current (A)	480
Max. charge current (PV + AC)(A)	480

System Connection Display





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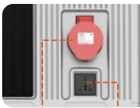
Water treatment equipment, high-flow and high-lift submersible pumps, field irrigation, sewage treatment, electric boilers, and air-source heat pump systems.

380V/54kW 135kWh

Charging, Storage and Inversion Integration Standard Solution
Introduction to Standard Solutions



LCD Smart Display



380V Output
220V Output

Compatible with sockets of different voltage specifications
Cannot be used at the same time



Technical Parameters

Battery Parameter

Nominal capacity	2700Ah
Nominal voltage	51.2V
Electricity(kWh)	135kWh

Inverter AC Output

Max power (kw)	54kW
Voltage (VAC)	360/380/400/420
Power factor (PF)	1
Frequency	50/60Hz±0.1%
Switch time (ms)	10(normal mode)/ 10(UPS mode)
Wave form	Pure sine wave
Overload capacity (battery mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
Max. Efficiency (battery mode)	93%@48VDC

Photovoltaic/AC Input

Rated input voltage (VAC)	360/380/400/420;U+V+W+N+PE
Phase voltage range (VAC)	90~280±3(normal mode);170~280±3(UPS mode)
Frequency (Hz)	50/60(auto adaptive)
Solar charger type	MPPT
Max PV input current / input power	18A/6000W ×9
MPPT range@operating voltage per unit (VDC)	120~450
Max PV open circuit voltage per unit (VDC)	500
Max PV charge current (A)	720
Max AC charge current (A)	720
Max. charge current (PV + AC)(A)	720

System Connection Display

