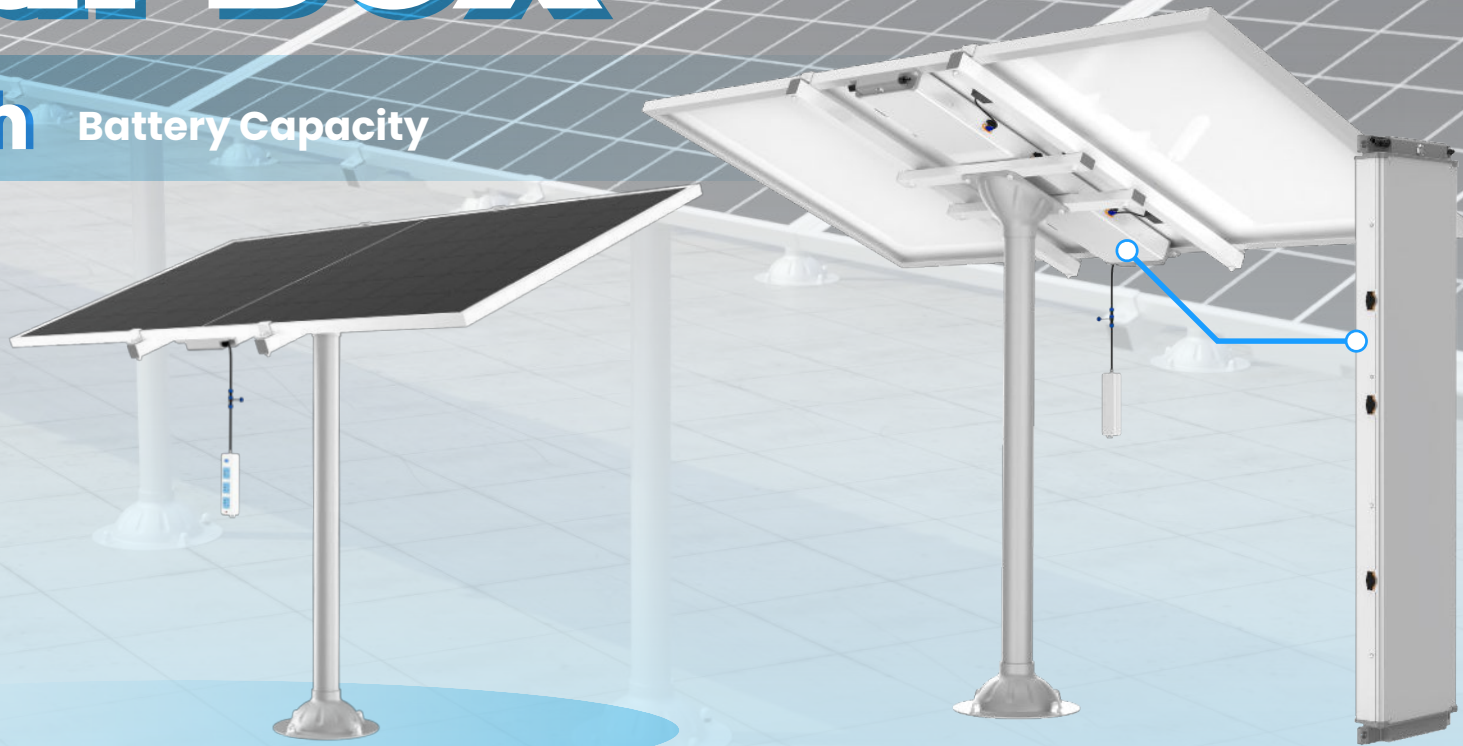


Solar BOX

1.5kWh Battery Capacity



High efficiency in power generation

Higher power, higher efficiency



Microgrid independent power station

Meeting household power supply needs



Integrated design

With lithium batteries and inverter built-in



Low temperature resistance

Higher load capacity at ultra-low temperatures below minus 40°C

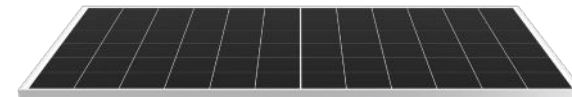
Product configuration



Solar Panel Peak Power	585W	Number of parallel connections	DC terminals support unlimited parallel connection
Battery Capacity	1.5kWh	Working temperature range	-40°C~+65°C
Weight of battery holder	24.4kg	Storage Temperature Range	Short-Term -20°C-40°C (Within 1 Month)
Cell Type	LiFePO4 Battery		Long-Term 10°C-35°C (Within 1 Year)
Input voltage	DC 24V	Storage Humidity	<75% RH
DC Output voltage	DC 320V	Atmospheric Pressure	Below the elevation of 5000m
AC Output voltage	AC 110V/220V	Self-Discharge (25°C)	<3%/Month
Maximum Continuous Output Power	500W(Output voltage AC 110V) 1kW(Output voltage AC 220V)	Depth Of Discharge	>95%
Output Frequency	50Hz/60Hz	C-Rate Discharge	<0.8C
Maximum Continuous Output Current	4.55A	Cycle Life	> 8000 Times (< 0.5C)



Standard accessory



585W Solar Panel



Holder for 6 pcs LiFePO₄
battery cells



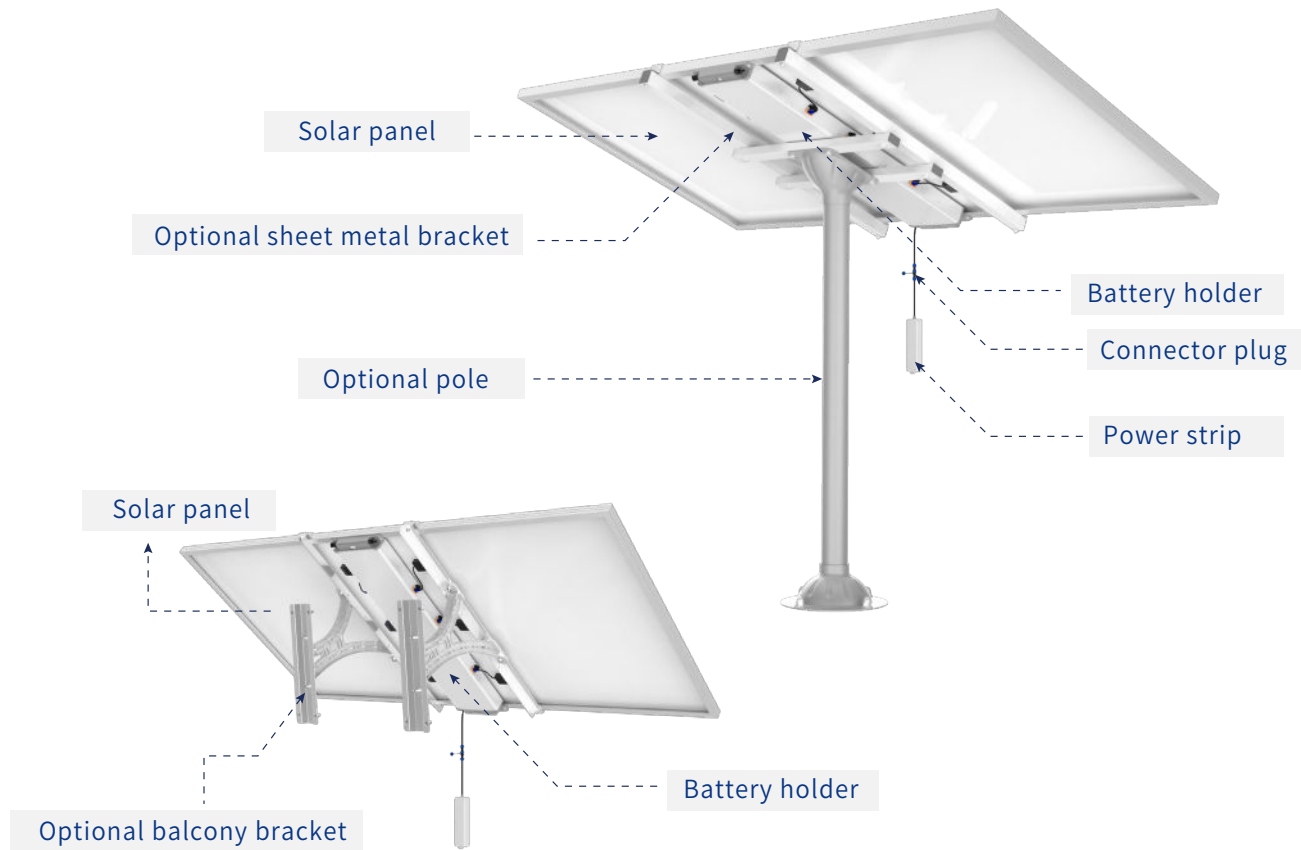
AC output power strip

Customization for personalized needs:

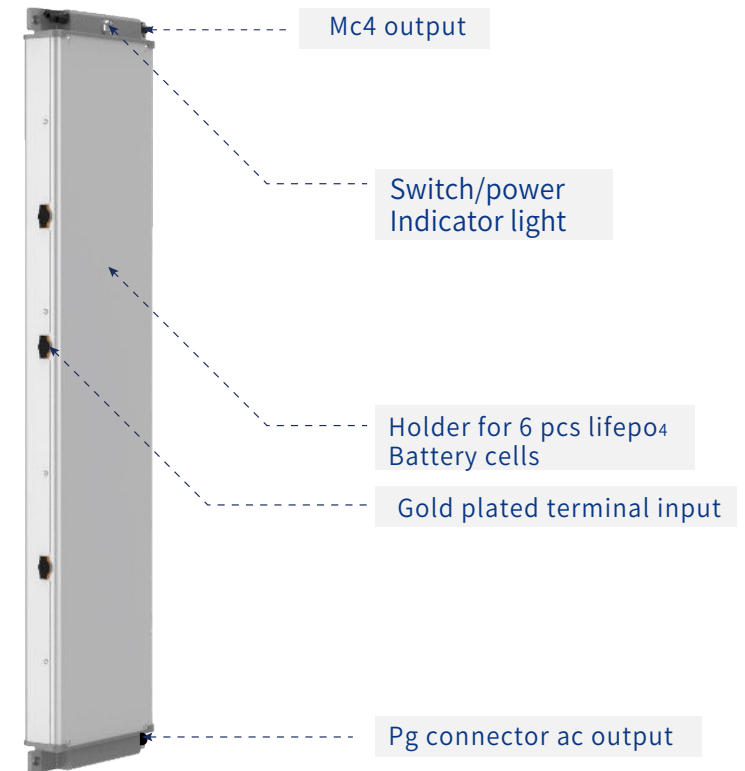
Poles and balcony brackets are optional accessories
and can be purchased on demand



Solar box display



◆ Solar box display



◆ Battery holder display



Battery holder display



Front and back view

Switch/power indicator light

Press the power button, after the indicator light stays on green, the product will start working;
Rebound button, after the indicator light goes out, the product is turned off.



30-100%

When the electricity level is above 30%, the battery level indicator light will be green.



0-30%

When the electricity level is below 30%, the battery level indicator light will be red.



When charging

When charging, the power indicator blinks green.



Side view



top view



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Installation method:1

Installation on the
ground (vertical)



Installation method: 2

Installation on the balcony

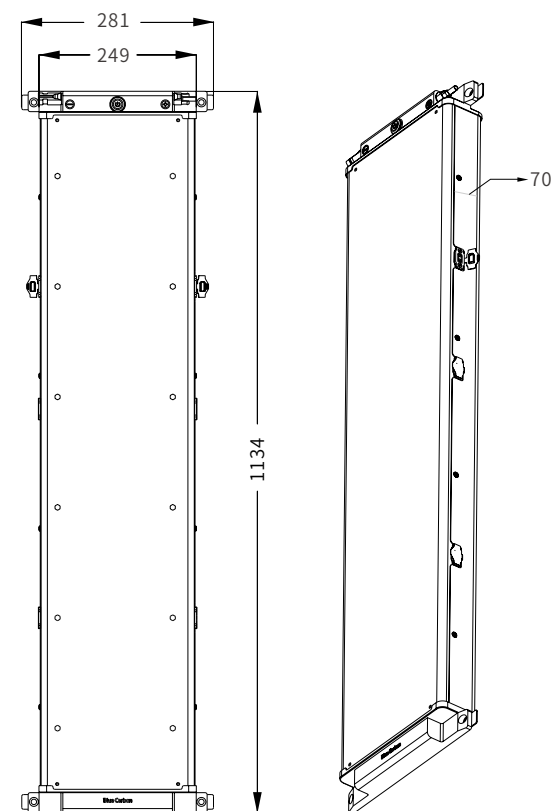
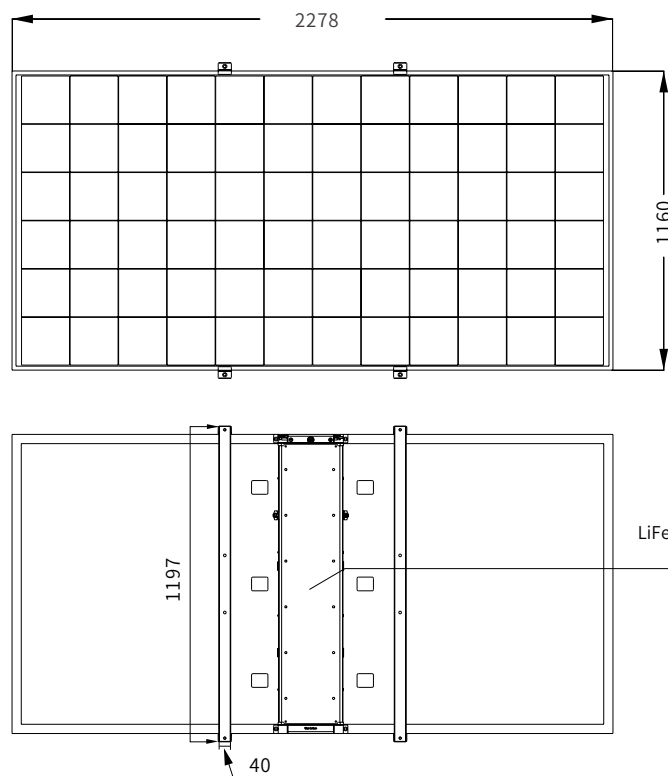
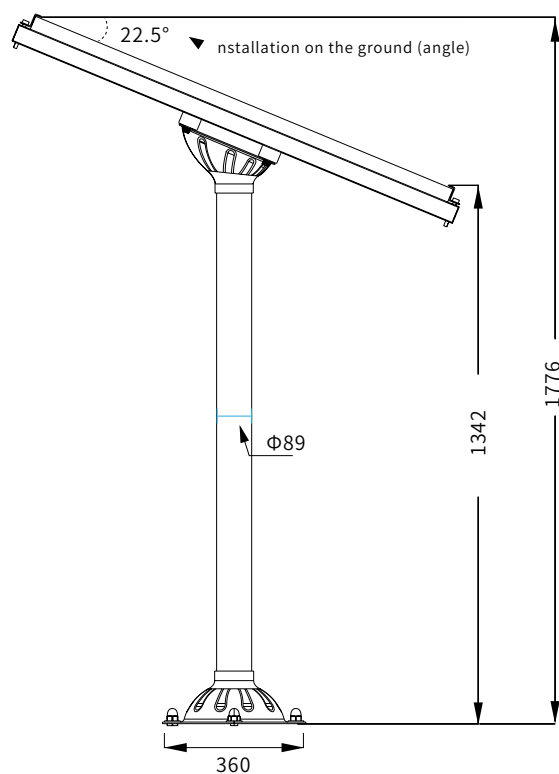


The installation plan should be matched with:
optional poles/optional balcony brackets

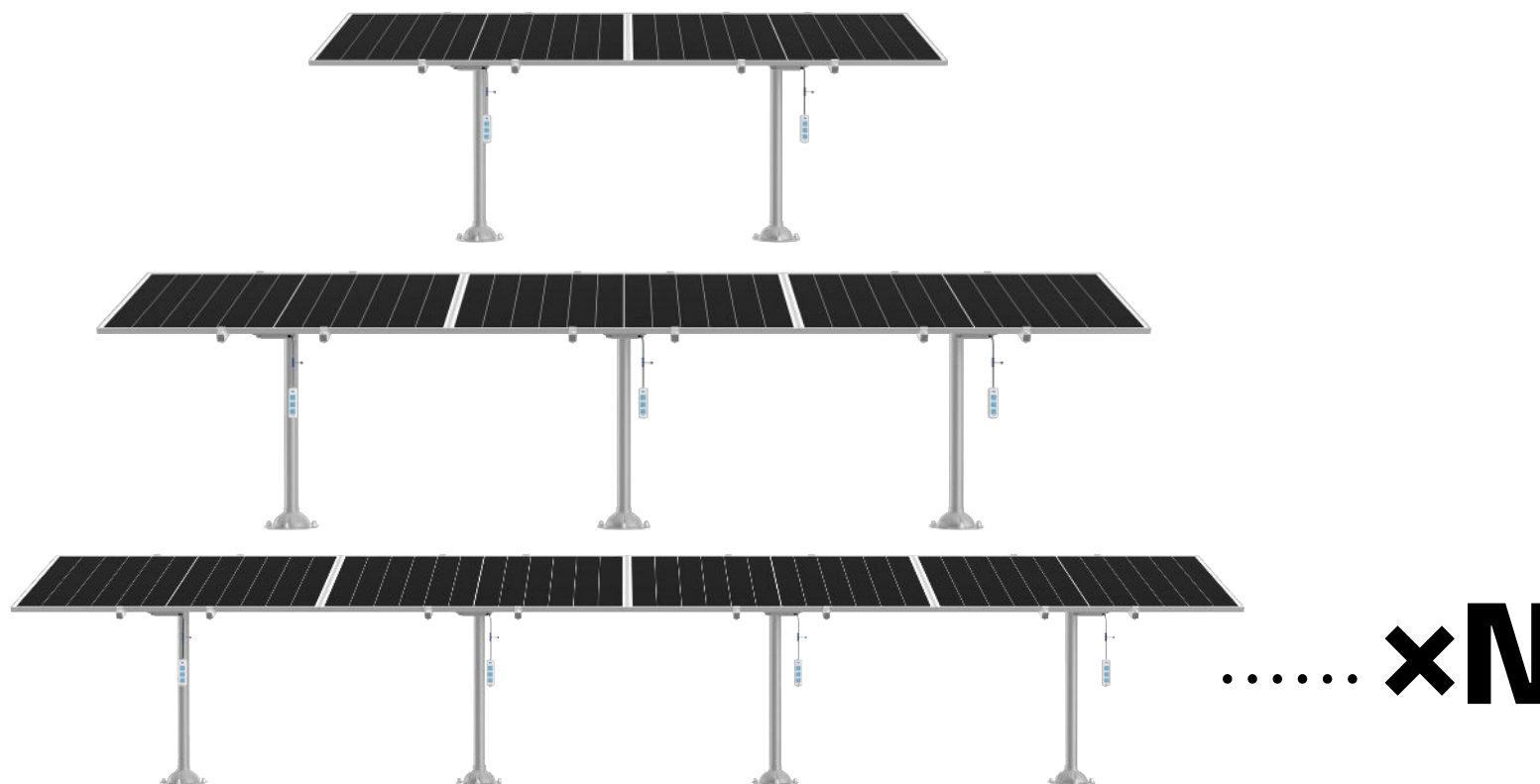


Product dimensions

Unit: mm



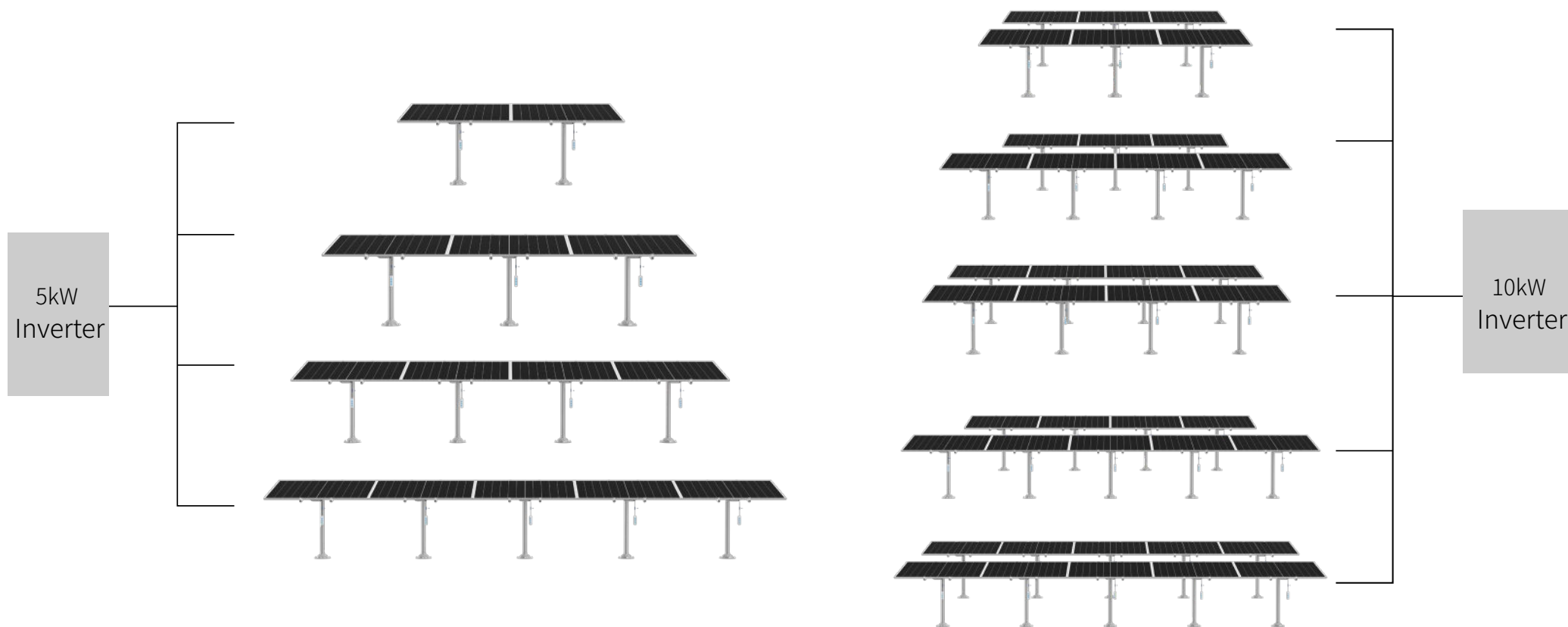
Number of parallel connections



DC terminals support unlimited parallel connection



Number of parallel connections



Output power $\leq 5\text{kW}$, compatible with 5kW inverter

Output power $\leq 10\text{kW}$, compatible with 10kW inverter



Application scenario



Storing energy

Realize the freedom of electricity consumption in the area where there is no electricity and less electricity.



Household appliances

Free electricity



Unlimited Parallel Connection

The whole solar system will not be affected by individual module connections.



5-year warranty, easy maintenance

Spare parts are replaceable and easy to operate



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Application display matching optional poles/optional balcony brackets

Application scenario

