

1kW Solar BOX

1.5kWh Battery Capacity

**POTENCIA
VERDE®**
WIND • SOLAR & CONTRACTORS

**5 YEARS
Warranty**



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

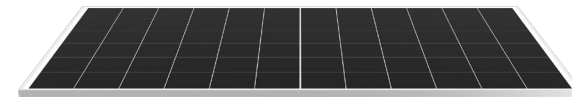
1KW-6 SOLAR BOX

Solar Panel Peak Power	580W	Number of parallel connections	10
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	LiFePO ₄ Battery		Long-Term 10°C-35°C (Within 1 Year)
Maximum Continuous Output Power	1 kW	Storage Humidity	≤75% RH
Input voltage	DC 24V	Atmospheric Pressure	Below the elevation of 5000m
DC Output voltage	DC 320V	Self-Discharge (25°C)	<3%/Month
AC Output voltage	AC 110V/220V	Depth Of Discharge	>95%
Output Frequency	50Hz	C-Rate Discharge	<0.8C
Maximum Continuous Output Current	4.55A	Cycle Life	> 8000 Times (< 0.5C)

Standard accessory



1KW-6 SOLAR BOX



Solar Panel



Holder for 6 pcs LiFePO4
battery cells

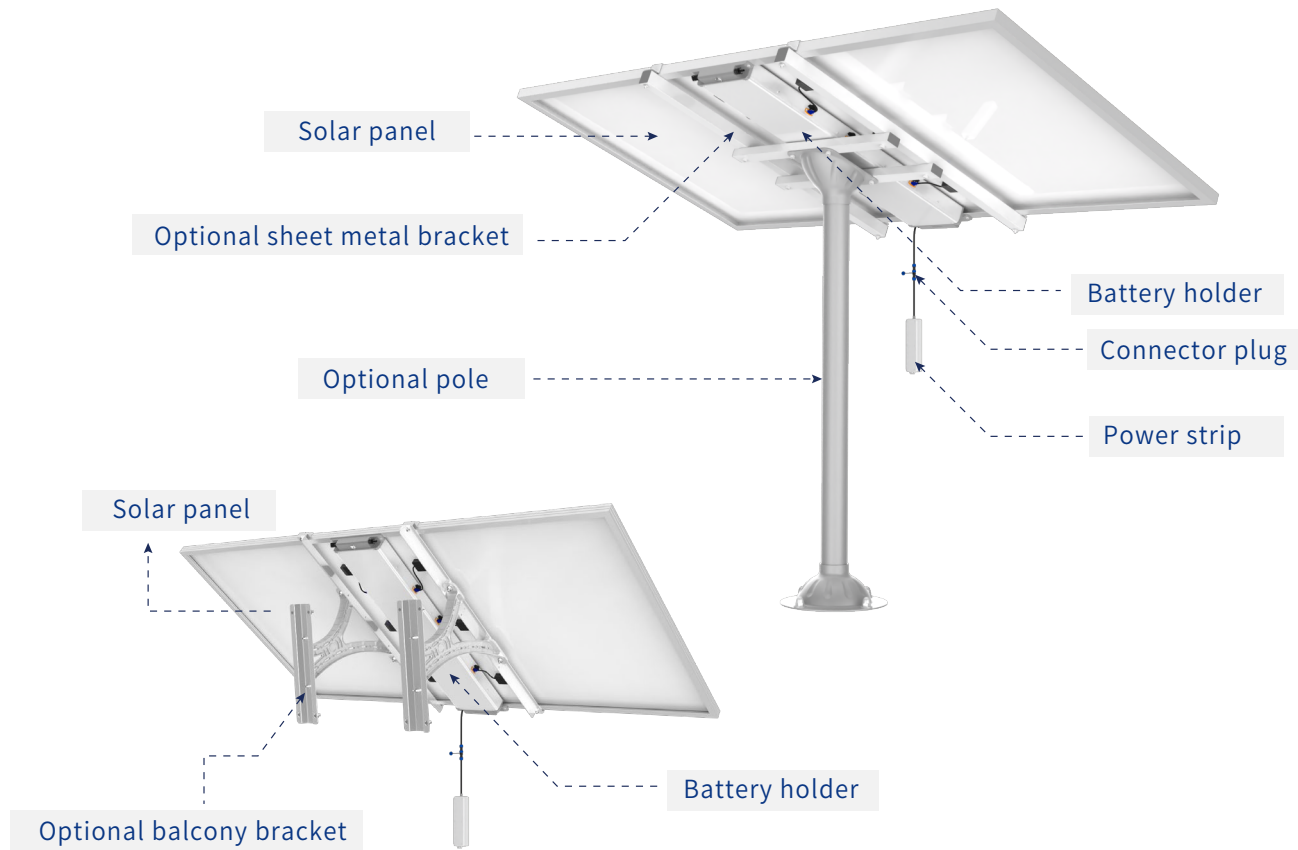


AC output power strip

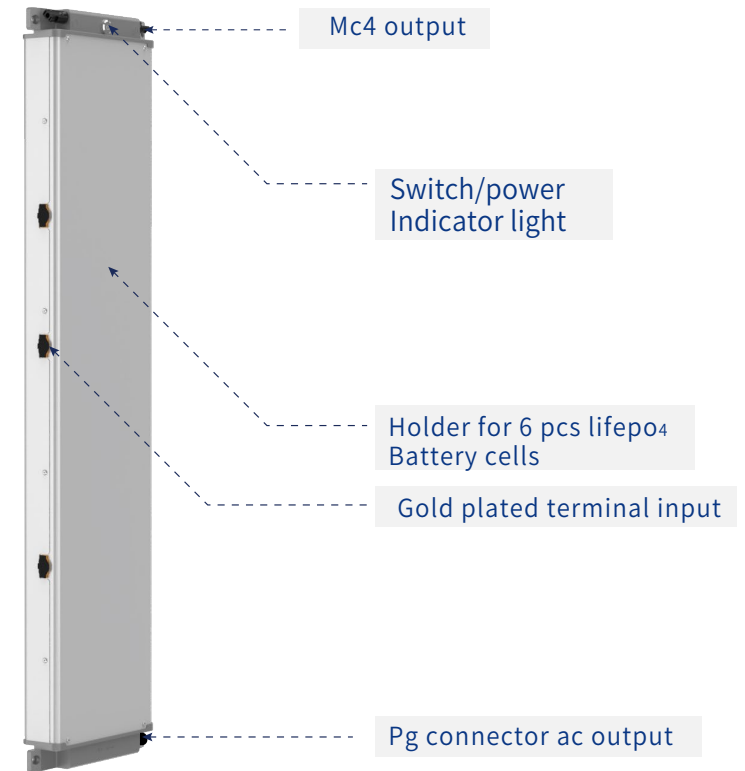
Customization for personalized needs:

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.



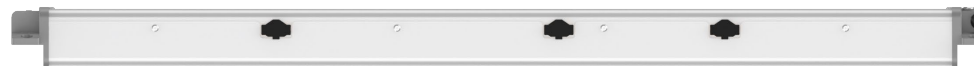
0-30%

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

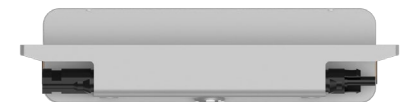


When charging

When charging, the power indicator blinks green.



Side view



top view

Installation method:1

Installation on the
ground (vertical)



Installation method: 2

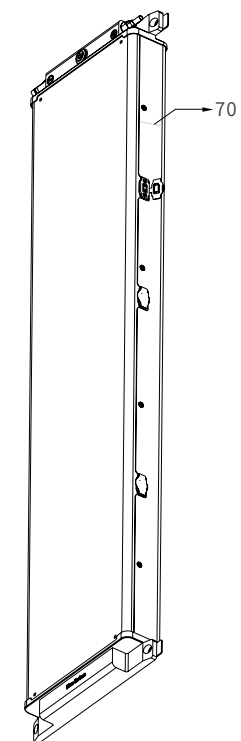
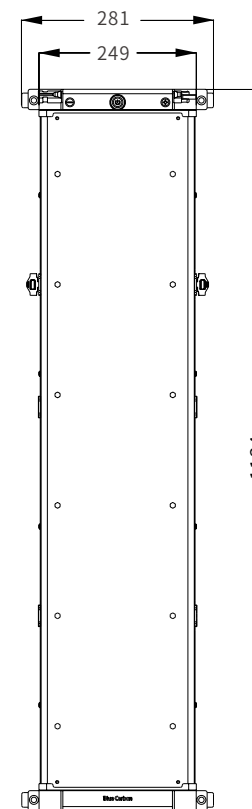
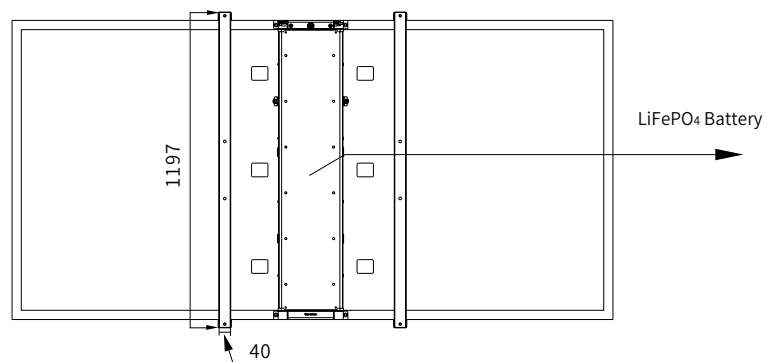
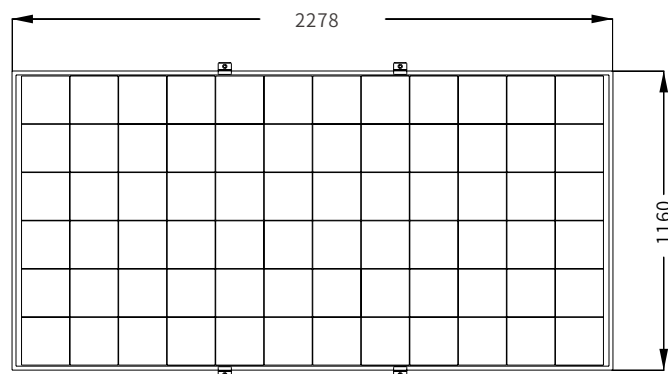
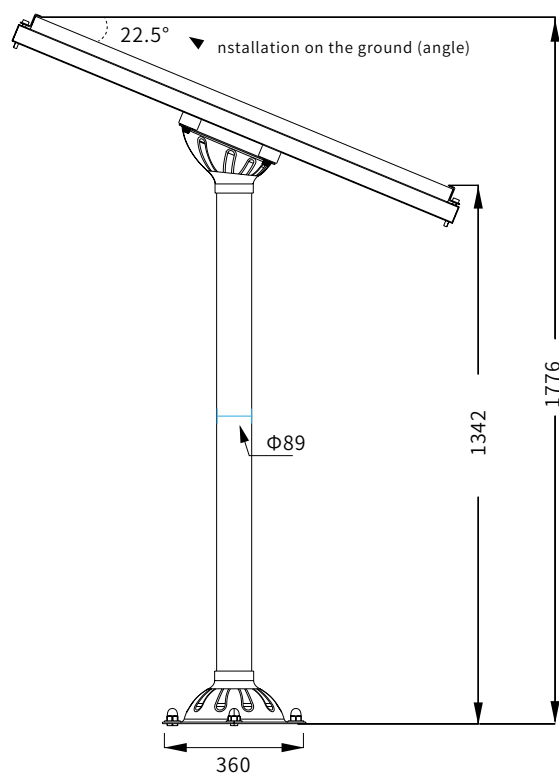
Installation on the balcony



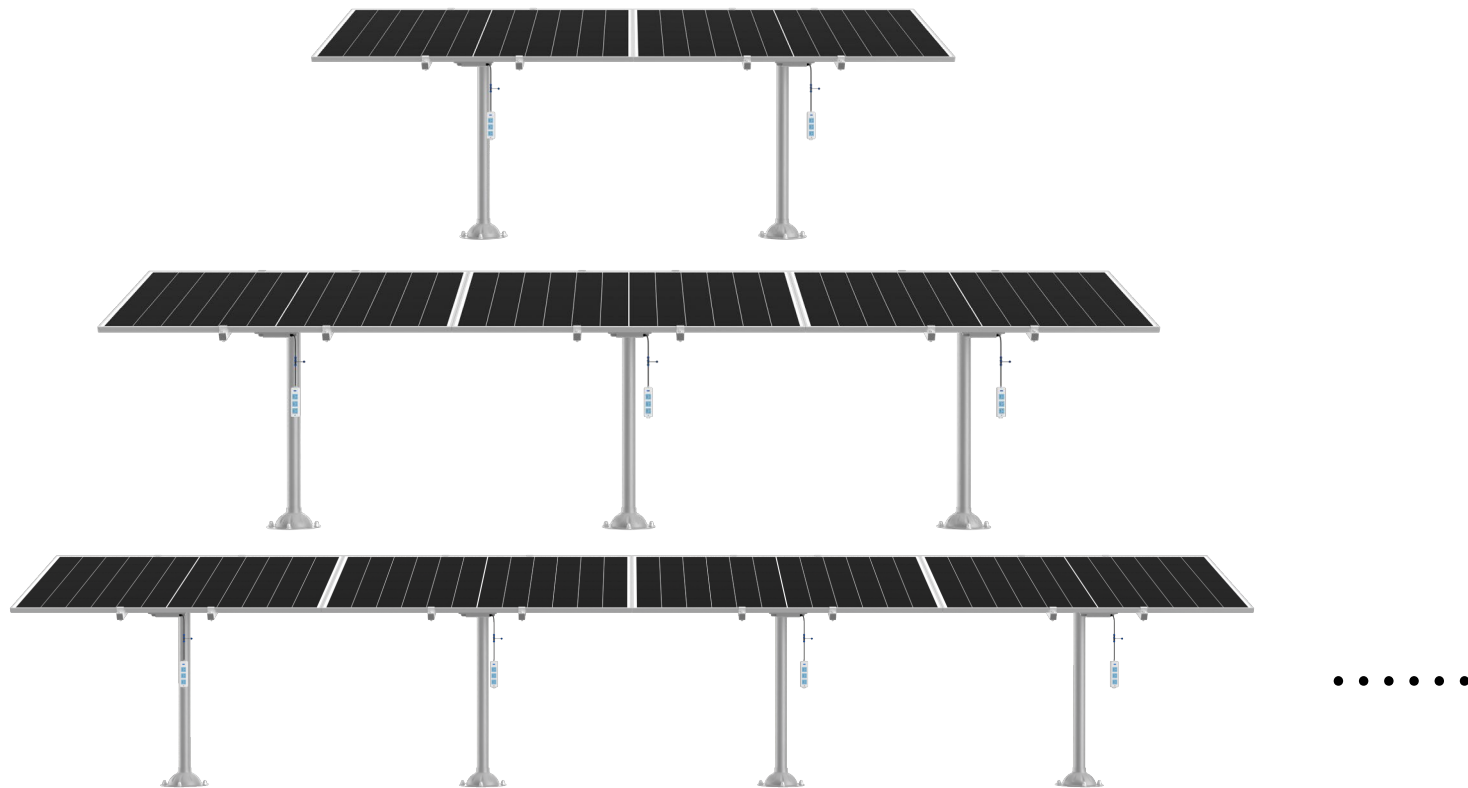
The installation plan should be matched with:
optional poles/optional balcony brackets

Product dimensions

Unit: mm

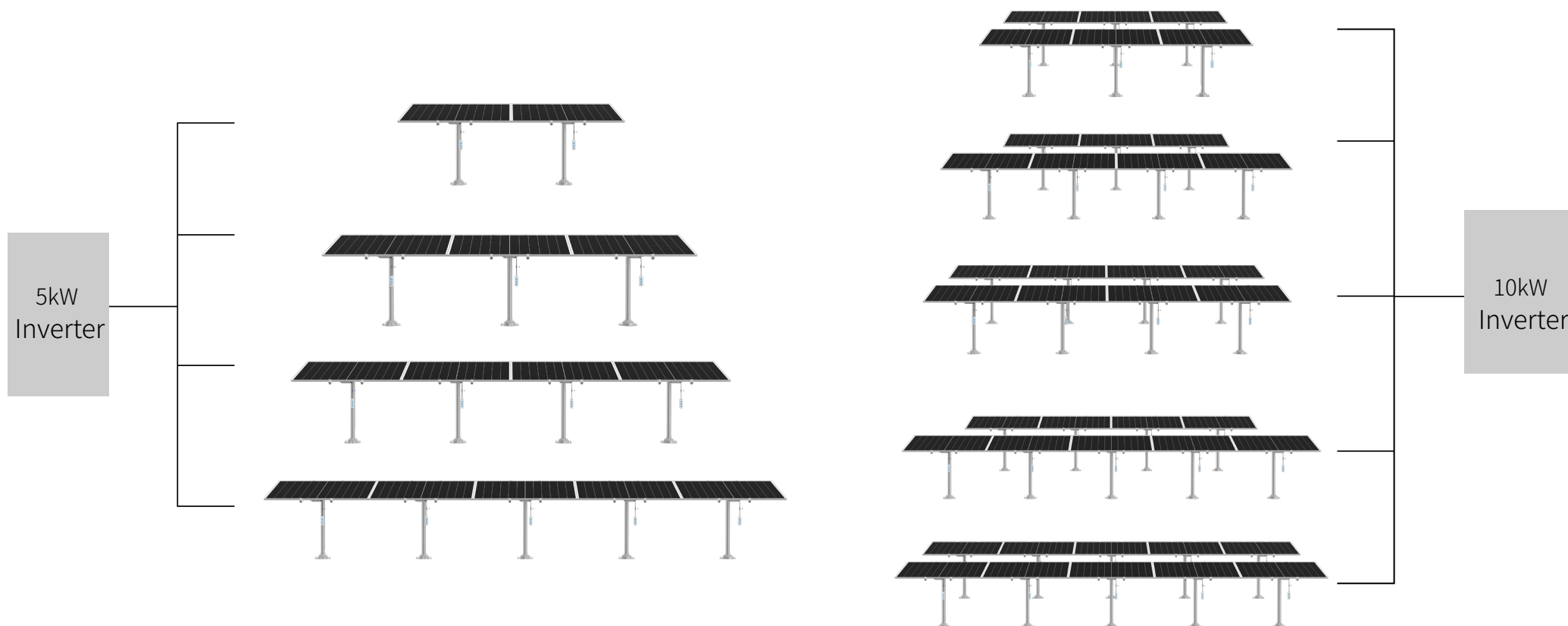


Number of parallel connections



Maximum 10 units solar box can be parallel connected at the same time.

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

Application scenario

