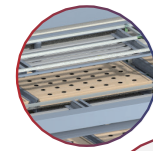


## Power PLT — Solar Planting Container

Product Description



Short Growth Cycle	No Pest Problems	No Pesticide Residue
Small Footprint	Solar Power System	Low Transportation Costs



### 01 Planting Tray - Plant Growth Platform

Made of food-grade PP material, with holes in the cover for placing planting baskets.



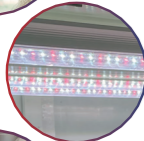
### 02 Fresh Air System - The Respirator Of Plants

Exchanging in-external air, Ensure plant respiration.



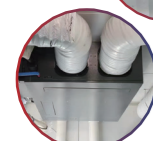
### 03 Nutrient Solution Supply System - Plant Rations

Automatic control of nutrient solution circulation to ensure the nutrients needed for plant growth.



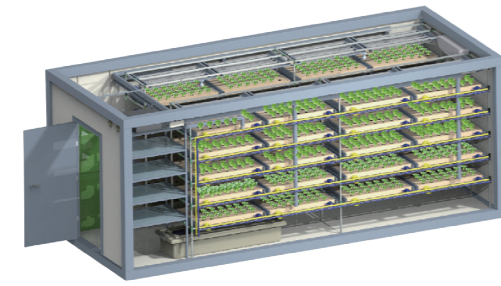
### 04 Led Full Spectrum Grow Light – Simulates Sunlight

Mimicking the sun makes plants grow better.



### 05 Constant Temperature System - Temperature Control

Automatically adjust the indoor temperature precisely, so that plants can grow better.



Hardware Equipment

+

Intelligent IOT Management Control System

+

Operation Platform

Intelligent Monitoring And Control Platform



## Power PLT — Solar Planting Container

Application Scenarios

The planting module adopts soilless cultivation technology, which is suitable for urban agriculture, vertical farm, space agriculture and other scenarios. It enables efficient plant growth in limited spaces, meeting people's need for fresh food while reducing reliance on traditional agricultural land.



Remote Project Site

Belt and Road Infrastructure

Island

City + Desertified Area

### Vegetable Growing Process



① Seeds Selection

② Germination

③ Seeding



④ Planting

⑤ Cultivation

⑥ Harvest



## Power LIV — Solar Living Container

Product Description

The offshore rapid assembly house, The so-called "offshore" means it does not need the input external resources and can independently provide various energy needs, including electric energy, light energy, heat energy, intelligence water, etc., so as to realize "positive energy building" in a real sense.



Quick Disassembly



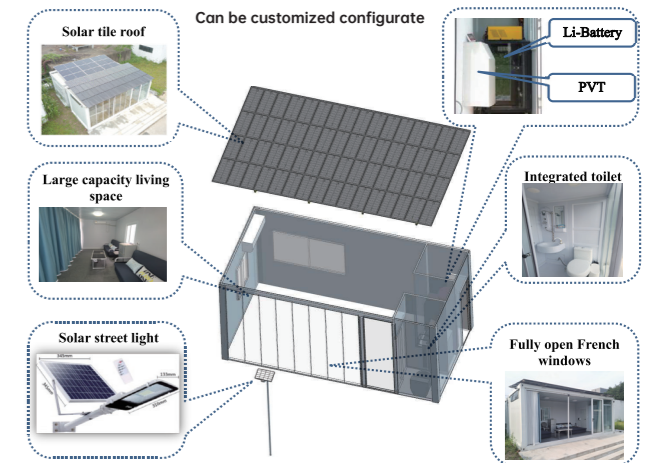
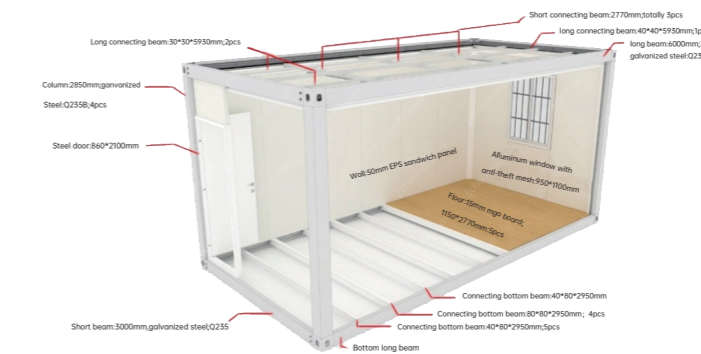
Easy To Move



Sufficient Energy

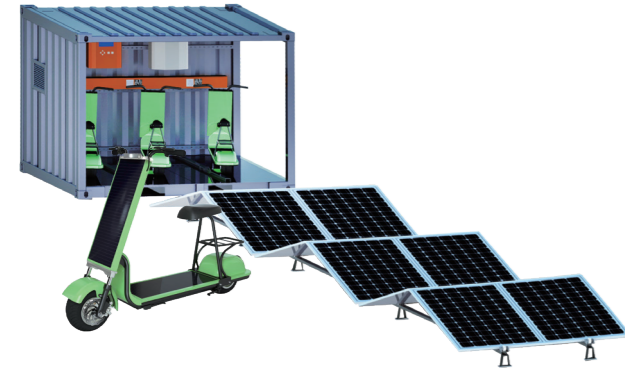
### Basic Properties

Module Type	TC63-18	TC73-21	TC64-24
Product Dimensions (L*W*H/mm)	6000×3000×2800	7000×3000×2800	6000×4000×3000
Max. Outside Area (m <sup>2</sup> )	18	21	24
Max. Inside Area (m <sup>2</sup> )	16.2	19.0	22.0
House Weight (Kgs)	1200	1350	1500
Description of House Materials	Same as container house		
Description of Windows & Doors	Can be customized made		
Max. Solar Panel on Roof (W)	3690		4920
Max. Solar Tile on Roof (W)	3240	3780	5320
Type of Inverter	Off grid type (with AC back-up)		
Power of Inverter (kW)	3~6 (one phase)		
Type of Battery	Lithium battery (LiFePO4)		
Capacity of Battery (kWh)	3~20		
Type of Water Heater	PVT		
Volume of Water Tank (L)	150~250		
Intelligent Housing Systems	Can be customized configure		
Other Furniture	Can be customized configure		
Colors Available	Standard White Grey, Customized Red, Blue, Green, Camouflage, etc.		



### Basic Properties

Module Type	CH33-09	CH63-18	CH73-21	CH64-24
Product Dimensions (L*W*H/mm)	3000×3000×2800	6000×3000×2800	7000×3000×2800	6000×4000×3000
Max. Outside Area (m <sup>2</sup> )	9	18	21	24
Max. Inside Area (m <sup>2</sup> )	7.8	16.2	19.0	22.0
Max. Outside Volume (m <sup>3</sup> )	25.2	50.4	58.8	72
Max. Inside Volume (m <sup>3</sup> )	20.2	42.1	49.4	61.6
Weight (Kgs)	900	1200	1350	1500
Description of Doors	2035*950mm / Painting steel with Bar Lock			
Description of Windows	1100*925mm / Double Gallasses POM with Security Fence			
Description of Frames	2.3mm Stoving varnish steel			
Description of Wall Panels	50/75mm Rock Wool Sanwish Panel			
Description of Floors	16-18mm Fireproofing Mgo Board			
Description of Rooftiles	0.24-0.45mm Painting Steel			
Standard Configuration-Doors	1		1	
Standard Configuration-Windows	1		2	
Colors Available	Standard White Grey, Customized Red, Blue, Green, Camouflage, etc.			



SC10GP-M-5K5-EB



SC20GP-M-10K30-EB

SC Package	Package Products Model		SC10GP-M-5K5-EB	SC20GP-M-10K30-EB
	Solar Array Capacity (Pmax / Kwp)		5.76	9.9
	Total Weight (Tons)		4	5
	Operating Temperature (°C)		-40 ~ +85	-40 ~ +85
Container	Type Of Contianer		10GP	20GP
	External Dimensions (L*w*h/mm)		2991*2438*2591	6058*2438*2591
	Container Weight (Tons)		1.7	2.5
Solar	Solar Panel Type		TopCon Monocrystalline	Monocrystalline
	Solar Panel Power (Pmax / Wp)		480	550
	Quantity Of Solar Panels (Pcs)		12	18
Inverter	Inverter Type		Hybrid Inverter	Hybrid Inverter
	String Inverter Capacity (Pmax / Kwp)		5kw	6kw
	Operating Phase		single	single
	Quantity Of String Inverters (Sets)		1	1
Battery	Module Type		LFP 5kWh/ LV	LFP 10kWh/ LV
	Battery Type		LFP	LFP
	Rated Capacity		100Ah	200Ah
	Rated Power		5.12kWh	10.24kWh
E-BIKE	Mileage	35-40km	Model	N100 MAX Collector's Edition
	Item	AGAO SOLAR SCOOTER	Battery Capacity	48V25Ah
	Rated Motor Power	350W(customizable)	Bms	Yes
	Nominal Energy	468WH	Endurance	Approximately 100km
	Battery	Lithium battery	Size	1623*698*1052mm
	Maximum Speed	25km/h	Unlocking Method	NFC/Bluetooth/Vocal print
			Instrument	5-inch TFT intelligent touch screen
Power Exchange Cabinet	Model		SCPEC-10P	
	Maximum Power		10kW	
	Charging Current		0-10A	

### 01/ Traditional Cold Storage Problem

Traditional cold storage is a typical high energy consumption facilities, cold storage operation process of high power load, large power consumption, in the global energy shortage and the country to promote the "double carbon" strategy and double control of energy consumption in the background, energy saving and consumption reduction has become an urgent practical problem to be solved in the construction of cold storage.

### 02/ Solar Cooling Container

In this case, the use of photovoltaic power generation system to solve the problem of high energy consumption during the operation of cold storage has become an inevitable choice to promote the green and low-carbon development of cold storage in the future. However, the initial investment cost of solar photovoltaic power generation system is relatively high, which limits the use of photovoltaic cold storage to some extent, and in the high investment cost of photovoltaic system, energy storage equipment batteries account for a large proportion.



### 03/ Key Technology

In view of this problem, Jiangsu Agricultural Cold Chain Equipment Innovation Center, together with SENTA Energy Co., Ltd., has set up an expert team of "PV + storage cold + cold storage", focusing on key technological research, and launched a green energy-saving and constant temperature pv cold storage cold storage construction technical scheme. The technical scheme replaces the storage battery with the cold storage plate, and directly stores the pv energy in the form of cold energy.



### 04/ Significant Advantage

- 1、 Reduce the loss of energy in the conversion process;
- 2、 Reduce the investment cost;
- 3、 without considering the battery life and pollution problems;
- 4、 long cooling time, more effectively reduce the weather conditions or night on the pv power generation.

Energy-saving

Low Cost

No Pollution

Keep Cold

# Power BOX Series

Version:2024 V2.0

Power PLT   Power EBK   Power LIV   Power RFG

