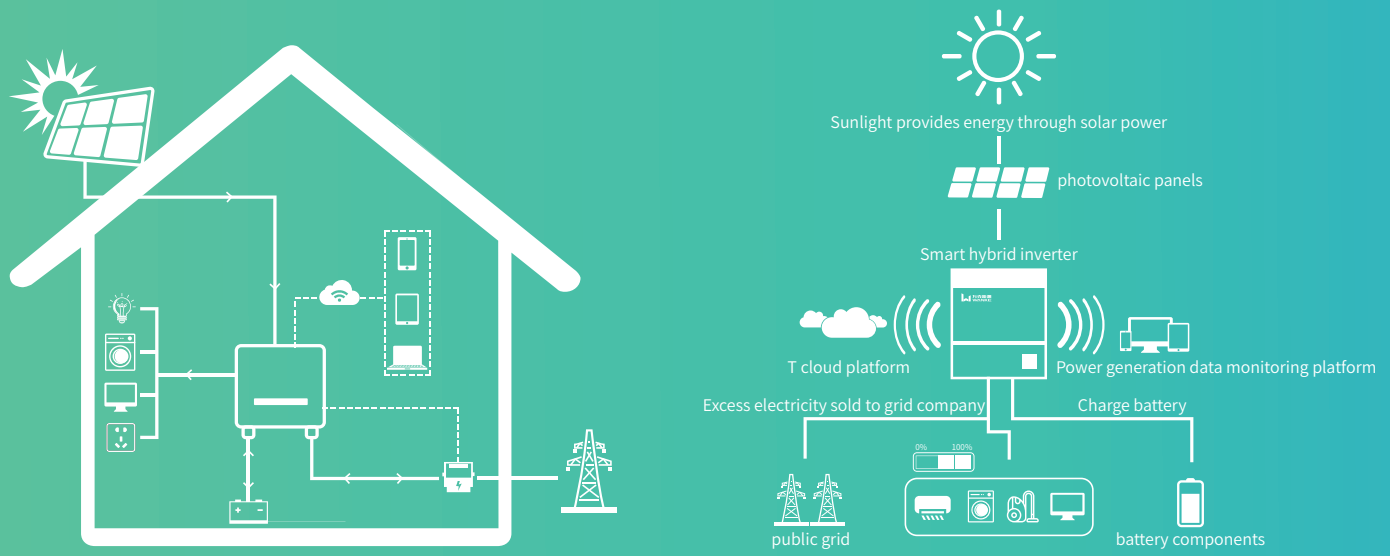


Household Solar-storage System



This solution composes of solar system and energy storage systems, it can efficiently manage the energy cycle in your home by producing- storage-consumption. On one hand, you can enjoy the house full of energy and join the comprehensive energy distribution business, on the other hand, reduce the cost of electricity, ensure power supply, prevent power failure.

Solution Function

Self-generation for private use

At daytime, PV system generates energy and supply to loads, and the balance energy been stored into battery which can be used at night.

Backup power

In case of grid power failure, the household energy storage system (HESS) as backup power can supply electricity to loads immediately. The switching from grid power to HESS is seamless.

Electricity Sell

If there is fluctuation of electricity price, the HESS can help you to get profit from electricity price different. That is, electricity is stored at valley prices and sold at peak prices.

ColumbuX Pro



【Higher performance】

- 96% Maximum efficiency
- 2 cycles per day for twice the value and faster payback
- Most usable capacity (100% D.O.D.)

【Safer】

- Lithium iron phosphate chemistry for long cycle life
- Minimum 10-year expected life
- Modular design, easy installation and maintenance

【Intelligent】

- Decide how to optimise energy
- Remote Diagnosis Service
- Online Network Upgrade

【Convenient】

- Wanke YUNNENG APP is available to download to phone
- Manage your energy anytime, anywhere

Model	ColumbuX Pro 5kW/10kWh		
System			
Rated Power	5kW		
Rated capacity	10kWh		
Protection grade	IP20		
Operating temperature range	-10°C to +40°C		
Display	LCD/APP		
Communication	RS485、WiFi/GPRS (Optional)、CAN-BUS		
Dimensions (H*W*D)	1045*770*605mm		
The quality assurance	5 years (10 years Optional)		
PV DC input parameters (PV side)		Battery Parameters	
Max. Power	6600W	Battery rating voltage	48V
Max. input Voltage	500VDC	Battery capacity	10kWh
Start-up Voltage/Min. Working Voltage	150V/80V	Maximum charge and discharge current	100A
MPPT Voltage range	120~450V	Cycle-index	≥6000
Grid output parameters (AC side)		Off Grid Parameters	
Rated AC output power	4600W	Maximum output power	4600VA/4600W
Rating Voltage/Voltage Range of Power Grid	230Vac/180-270Vac	Rated output voltage	220Vac/230Vac/240Vac
Rated Frequency/Frequency Range of Power Grid	50Hz/60Hz	Frequency	50Hz/60Hz
Max. AC Output Current	20A	Rated current	20A
AC output type	Single-phase (L、N、PE)	Grid-in/off-grid switching time	20ms
power factor	≥0.99 (±0.8 Adjustable)	Voltage harmonic distortion	≤3%(Linear load)
Current harmonic distortion	≤3%(Linear load)	Maximum output short circuit current	30A

Distributor wanted:

