

To be the world leader in energy storage system integration



Founded in May 2018, original factory for the research and manufacturing of residential micro-grid system, commercial & industrial energy storage system products, telecom back power batteries, special low-speed vehicle batteries.

System certification: ISO9001 / ISO14001 / ISO45001

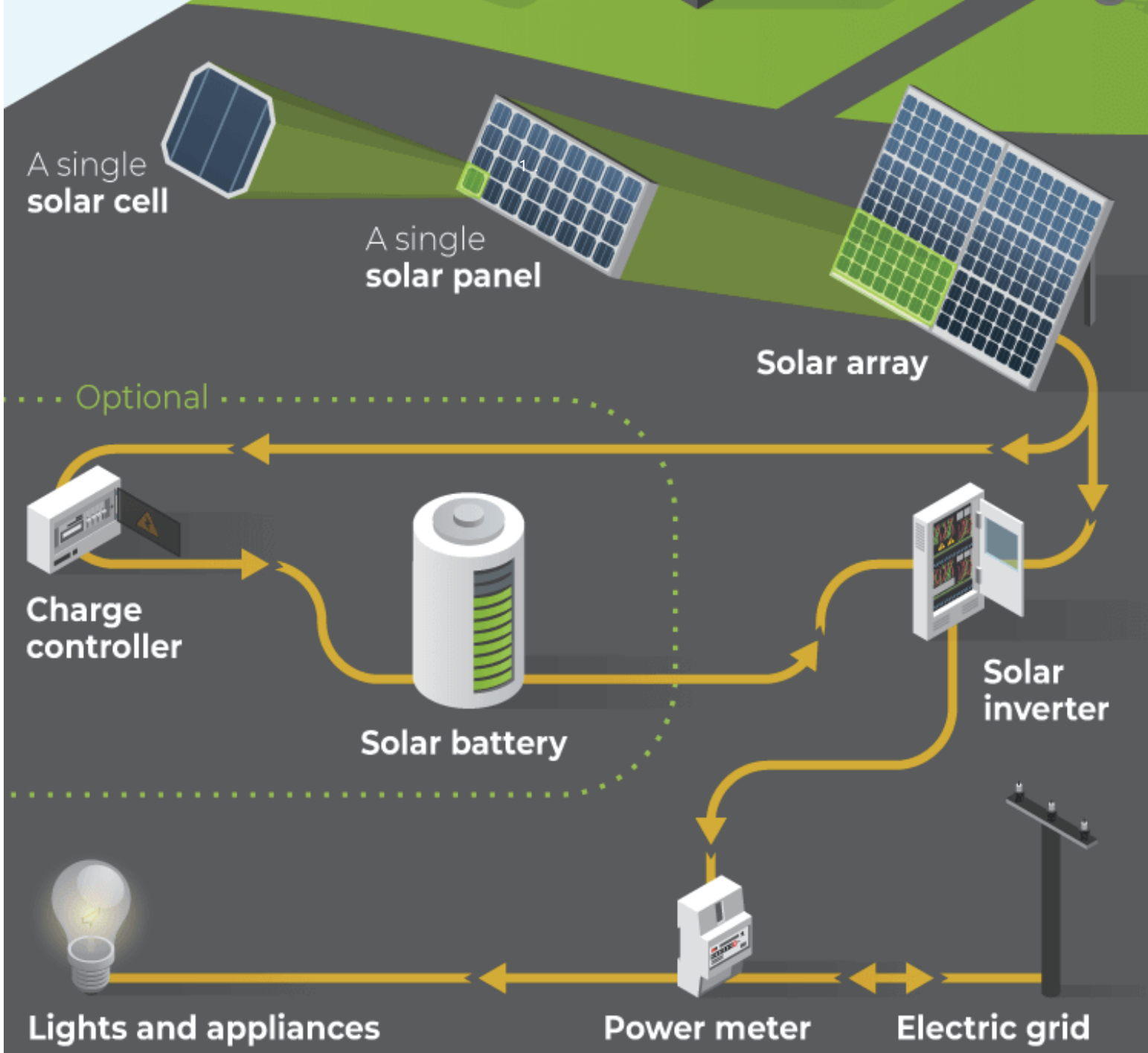
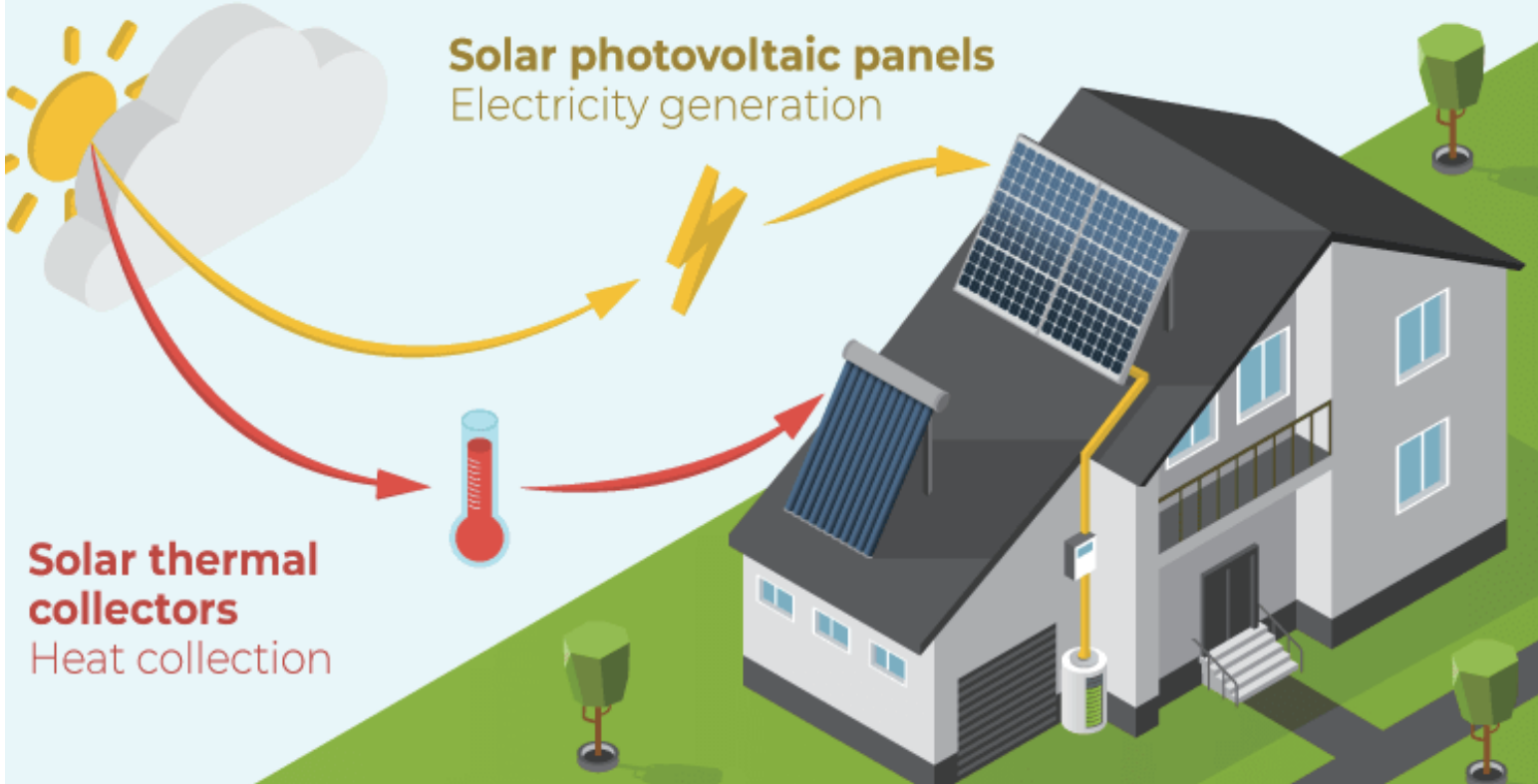
Product certification: CE, UN38.3, IEC, PSE, UL, MSDS, RoHS



Smart solar microgrid system

ECE Energy PV solar power system consist of distributed power supply, energy storage device , energy conversion device ,load,monitoring and protection device,etc., which can quickly respond to EMS dispatching instructions ,and form intelligent and friendly power supply system with roof photovoltaic ,which is safer and more stable.

Model	5KWH-Solar roof energy system	10KWH-Solar roof energy system	15KWH-Solar roof energy system	20KWH-Solar roof energy system
PV pannel	RM-580W-182M/ 144T B*4	RM-580W-182M/ 144TB *10	RM-580W-182M/ 144TB* 12	RM-580W- 182M/144TB* 14
Energy storage inverter	SUN-5K-SG04LP3- EU	SUN-10K-SG01LP3	SUN- 10K-SG04LP3- EU	SUN- 10K-SG04LP3- EU
Energy storage battery	LFP51.2V100AH	LFP51.2V100AH*2	LFP51.2V100A3H*3	LFP51.2V100AH*4
PV Box	ECEPV-5000	ECEPV- 10000	ECEPV-15000	ECEPV-20000
PV cable	Red + black /200 M			
Battery cable	Including			
Connector	Including			
PV bracket	Roof or floor customization is optional			
System efficiency	85%-95%			





ECE Energy large-scale intelligent energy storage system adopts lithium iron phosphate battery as the energy carrier. Through PCS realize a variety of energy exchange with the power system, and can be connected to solar energy, wind energy, diesel generators. The output of the energy storage system can be connected to the grid and supplied to various load equipment and electric vehicle chargers.



Wind&Solar Energy Storage Solution



Industrial and Commercial Energy Storage Solutions



Grid Side Independent Energy Storage Power Station Solution



Integrated Solution of Solar Storage and Charging

Core Competence

Low Cost

LFP battery
Most cost-effective

Intelligent Self Operation

Built-in energy management system

Maintenance Free

Finger tip monitoring
Cloud Maintenance

Easy to Install

Modular design
Easy assembling

Functional Features

Energy storage peak cutting and valley filling

Power quality compensation

participate in grid support services

Solutions for electricity demand of off-grid places

Virtual capacity enhancement

Demand management

System Specifications

Integrated centralized framework	Model Specification	1MW/1Wh	1.5MW/ 1.5MWh	2 MW / 2 MWh	2.5 MW / 2.5MWh	3 MW / 3 MWh	3.5MW / 3.5MWh	4MW / 4MWh	4.5MW / 4.5MWh	5MW / 5MWh	5.5MW / 5.5MWh
	Energy storage container	20ft cabinet	20ft cabinet	25ft cabinet	25ft cabinet	30ft cabinet	30ft cabinet	35ft cabinet	35ft cabinet	40ft cabinet	40ft cabinet
	Battery Type	LFP	LFP	LFP	LFP	LFP	LFP	LFP	LFP	LFP	LFP
	Maximum output power (MW)	1MW	1.5MW	2MW	2.5MW	3MW	3.5MW	4MW	4.5MW	5MW	5.5MW
	Electricity (MWh)	1MWh	1.5MWh	2MWh	2.5MWh	3MWh	3.5MWh	4MWh	4.5MWh	5MWh	5.5MWh
	Maximum output current on the DC side (A)	280A	280A	280A	280A	280A	280A	280A	280A	280A	280A
	DC side voltage range(V)	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V
	AC access voltage(V)	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V	Three Phase AC380V
	AC output frequency range(Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Application Scenarios	1.Solar and wind power generation systems; 2.Power system peak trimming and valley filling 3.Frequency modulation and load tracking; 4.Postponing the upgrading of users' distribution systems; 5.Voltage and reactive power support; 6.Multi-energy complementary microgrid									

Intelligent string framework	Model Specification	100kW / 100kWh	150kW / 150kWh	200kW / 200kWh	250kW / 250kWh	300kW / 300kWh
	Battery Type	LFP	LFP	LFP	LFP	LFP
	Maximum Output power Power (KW)	100KW	150KW	200KW	250KW	300KW
	Electricity (KWh)	100KWh	150KWh	200KWh	250KWh	300KWh
	Maximum output current on the DC side (A)	100A	150A	200A	250A	280A
	DC side voltage range(V)	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V	DC500V-850V
	AC access voltage(V)	Three Phase AC380V Single Phase AC220V	Three Phase AC380V Single Phase AC220V	Three Phase AC380V Single Phase AC220V	Three Phase AC380V Single Phase AC220V	Three Phase AC380V Single Phase AC220V
	AC output frequency range(Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Application Scenarios	1.Solar and wind power generation systems; 2.Power system peak trimming and valley filling 3.Frequency modulation and load tracking; 4.Postponing the upgrading of users' distribution systems; 5.Voltage and reactive power support;6.Multi-energy complementary microgrid				

Lithium battery original manufacture



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