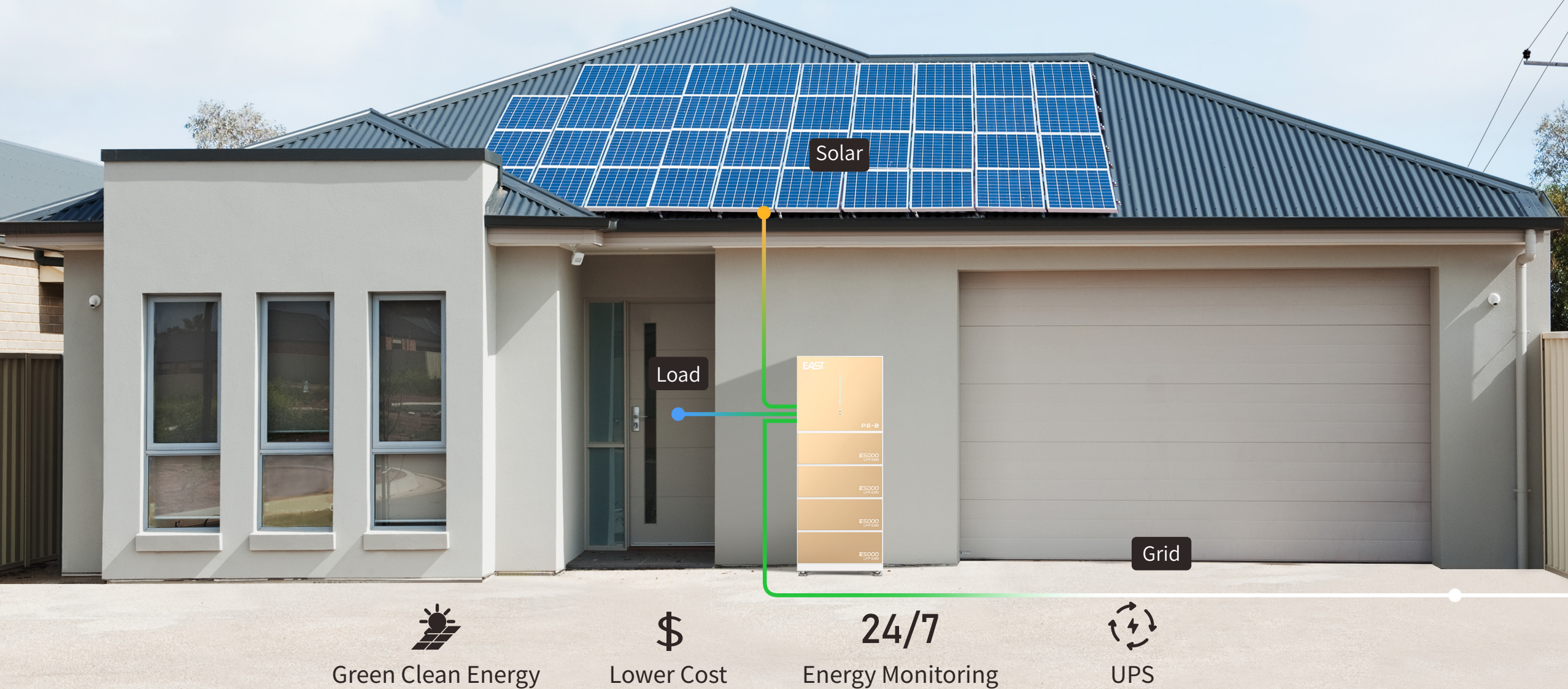




Home ESS Manual



Building A Global Carbon-free Smart New Energy World



P6A



Brushed Stainless Steel Luxury Panel



More Enjoyment
of Life



All-in-one Design

Easy Installation



On/off Grid Inverter

Flexible Use



Output Power

6KW



Battery Pack*6
MAX 30.72KWh



100V-540V
7.8KW/MPPT



LiFePO₄
10-year Cycle Life



**8 Layers of
Security Protection**
IP66



UPS



APP
Remote Monitoring



Stackable
Design

Power Your Home

Aero-aluminum Panel  **P6B**

Built-in PV MPPT, On/Off Grid Inverter, EMS, BMS,
Communication Module, Stackable Battery Pack





Villa That Can Generate Electricity

Power Generation for Self-use / Surplus Feed-in / Mains Supply Supplementation



Save power
11000kwh/year

Extra-large Capacity for 24-hour Continuous Power Supply



Use the Stored Energy to Power the Home in Case of Power Outage



30Kwh
Capacity Storage



20ms
Automatic switching



Clean Green Energy

3

3 Charging Ways



Solar



Mains Supply



Diesel Generator
Charging



**Cold and high
temperature resistance
for all-weather use**

-20°C
|
55°C



IP66
Waterproof

Strong and High Power



Monitoring



Lighting



Water Pump



Fish Tank



Refrigerator



Air Conditioner



Washing Machine



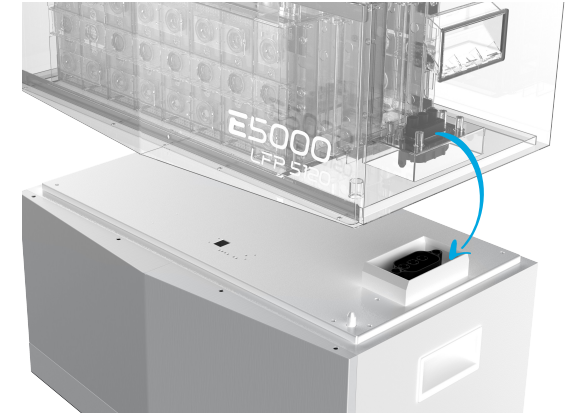
Oven

Not Only Safe, But Excellent

Fanless Cooling System 0dB Mute Design



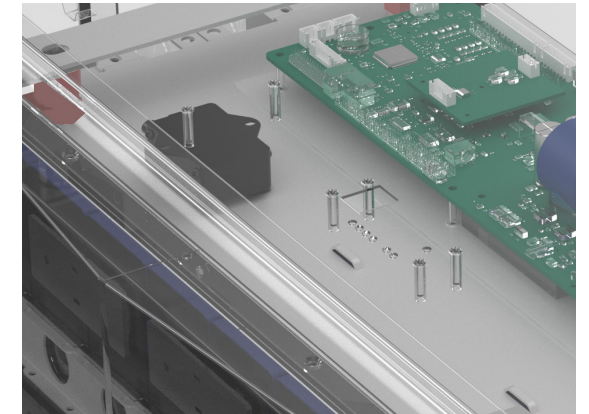
Full Stainless Steel Panel with AF
Easy Clean coating



All-in-one Design for
Tool-free Installation
2mm Self Alignment



Stackable Design for
Free Combination
Free pairing



Hot Aerosol Fire Extinguisher
Start-up Temperature
Starting temperature $\geq 170^{\circ}\text{C}$

Power Up Your Adventure



UL-Approved Automotive Grade Lithium Iron Phosphate Batteries are Used, Which are Safer, More Stable, High Temperature Resistant and Longer Lifespan.

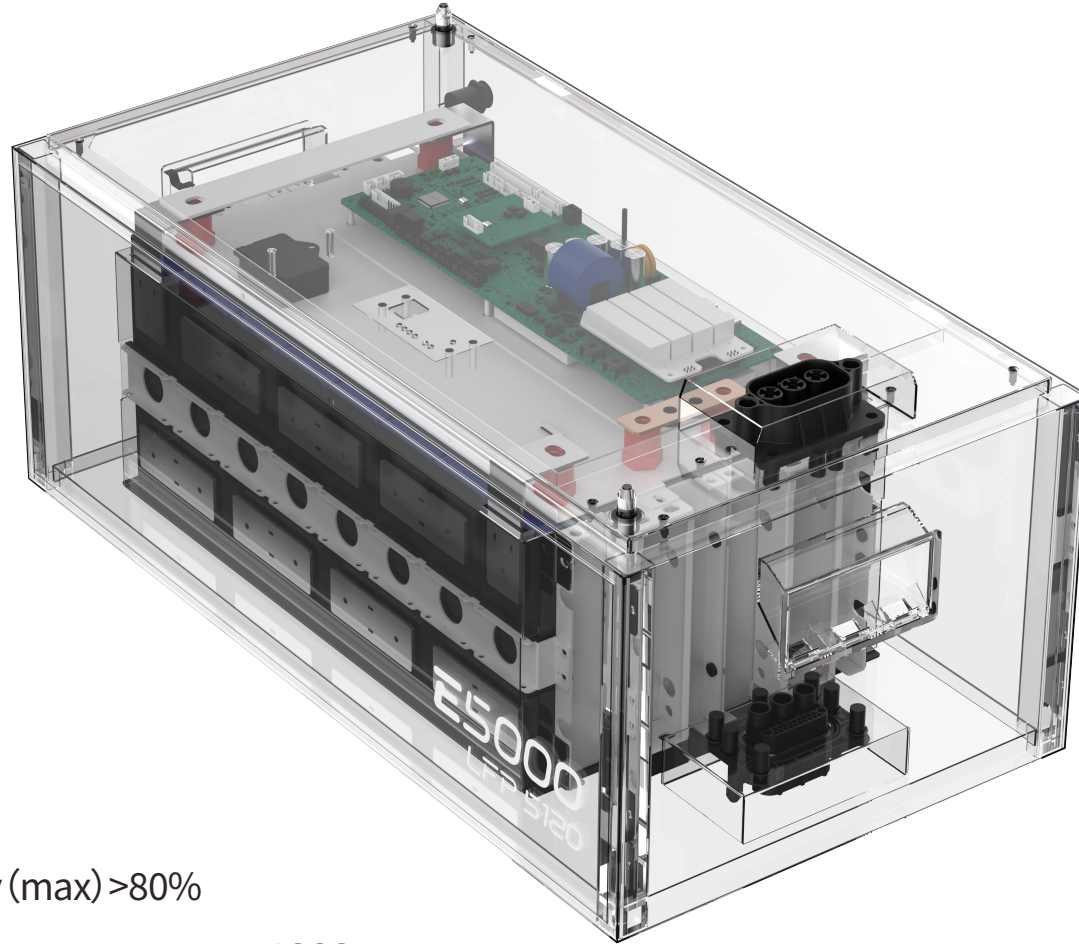
Why are Batteries That Pass the Pinprick Test Safer?

The Needling Test is to Pierce a Tiny Needle Into the Inside of the Lithium Iron Phosphate Battery, Resulting in a Rapid Release of Electricity Inside the Battery. Needle Prick is An Artificially Simulated Battery Short Circuit, Which is Inevitably Encountered in the Outdoor Battery Aging, Strong Impact, and Other Special Circumstances, Which May Cause An Electrical Short Circuit. Even if a Short Circuit Occurs, the Pinprick Test Ensures That East Portable Power Stations Will Not Catch Fire and Explode.

LiFePO₄



More Than 10 Years Cycle Life



>4000
Times Cycle

Battery Capacity (max) >80%

East Li-ion Cell	<div><div></div><div></div><div></div><div></div><div></div></div>	4000+ Cycles
Regular Li-ion Cell	<div><div></div><div></div><div></div><div></div><div></div></div>	800+ Cycles
Lead-acid Cell	<div><div></div><div></div><div></div><div></div><div></div></div>	500+ Cycles

Eightfold protection and safety

BMS
电池管理系统



High Temperature
Protection



Low Temperature
Protection



Over-discharge
Protection



Overload
Protection



Short-circuit
Protection



Over-voltage
Protection



Over-current
Protection



Battery
Protection

PV ESS installation procedure



Solar Panel



Frame and
Connector



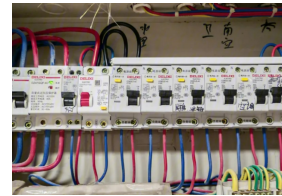
PV Distribution Box



On/Off Grid PCS



Battery Pack with BMS



Home Distribution Box



Two Way Meter


















Easy to Be Installed, Saving at Least Installation Fee USD1000~USD2000
No Compatible Issues
Easy to Do After-Sale Services



East All in One System

Design Scheme



	Function	P6A	P6B	P6C	Size/Weight/Rated Capacity		
AC Output	Output Voltage	230V AC; Support for U.S. Grid Standards					
	AC Voltage Range	184-276 VAC					
	Output Frequency	50Hz/60Hz; Auto Detect					
	Frequency Range	45-65Hz					
	Maximum Frequency	65Hz					
	UPS Switching Time	<20ms					
	Rated Output Current	26.09A					
	Rated Output Power	6000VA					
Solar Input	Maximum Solar Output Voltage	550V DC					
	MPPT Range	100V-540Vdc					
	Maximum Solar Output Power	7.8kW					
	Rated MPPT Voltage	360VDC					
	Number of MPPTs	2					
Battery Parameters	Battery Type	LiFePO ₄					
	Rated Capacity	5120Wh; MAX:5120Wh*6					
	Maximum Charge Voltage	58V					
	Minimum Discharge Voltage	42.0V					
	Maximum Continous Charging Current	100A					
	Maximum Continous Discharging Current	100A					
	Maximum Output Power	6000VA					
Inverter Output	Output Voltage	230V AC					
	Efficiency	97.8%					
	Rated Output Current	21.7A					
	Output Frequency	50Hz					
	Thd(%)	<3%					
	Ambient Temperature	-20°C-55°C					
Operating Conditions	Ip Rating	IP66					
	Humidity Range	5%-95% Relative Humidity					
	Altitude	<3000m					
					600 x 365 x 831mm	600 x 365 x 1061mm	600 x 365 x 1291mm
					93Kg	143Kg	193Kg
					5120Wh	5120Wh x 2	5120Wh x 3
					600 x 365 x 1521mm	600 x 365 x 1751mm	600 x 365 x 1981mm
					243Kg	293Kg	343Kg
					5120Wh x 4	5120Wh x 5	5120Wh x 6