

Most popular Solar Hybrid storage system in 2023





What is Solar Hybrid storage power system?

The following are main components in Hybrid storage solar power system



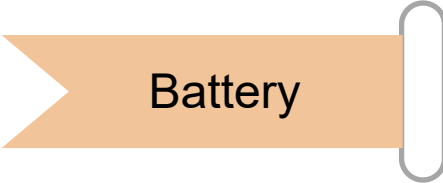
Solar panel

Mono cells high efficiency, 400-700W can be selected



Hybrid inverter

Dual way inverter can charge battery and feed power to grid



Battery

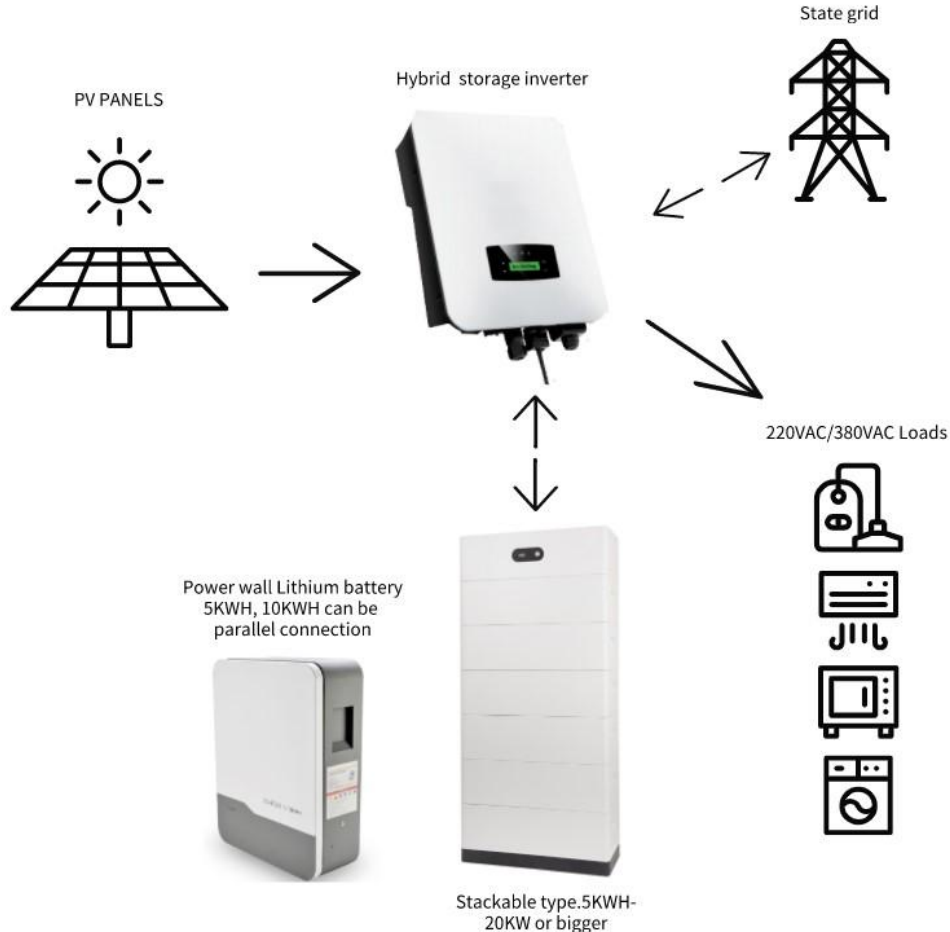
Power wall/Stackable Lithium battery
Different capacity





System diagram

Solar hybrid storage system



1. This system work by solar panel, batteries, DG set and Utility grid.

2. When solar sufficient, Appliance use power from solar, excess power charge battery; Battery is full,excess power feed to grid.

3. When solar insufficient, battery will supply power to load

4. When battery empty, inverter will switch to Utility grid supply power

5. When Utility grid Power outage, inverter will switch to UPS mode,use battery power supply emergency load.





System components

1. **Solar panel**----- A grade solar cells with 25 years performance guarranty.

Power range: Full black 400W-550Watts; Ordinary 400W- 700Watts depend on our design according to client place area.
10 Years quality warranty.

2. **Solar hybrid storage inverter**----- First level brand like DEYE, GROWATTS,Afore,MEGAREVO Etc, All with EN50549; VDE4105/0124; G98/99 Etc grid certification.

Power range from 5KW-8KW 220VAC rurope or 120VAC split phase with 48V battery type, 5-20KW 380VAC three phase high voltage type.

5 Year quality warranty

3. **Lithium iron battery**----- A grade battery cells with 6000 times deep cycle using life. Battery with UN38.1 dangerous product certificaion.

In italy market with CEI0-21 certification with hybrid inverter as one part.

Power range from 5KWH,10KWH, 15KWH,20KWH Until 100kwh as client requirements.

5/7 Years quality warranty

4. **Solar brackets and cables**----- Free drawings of any kind of roof or ground to help client understand how to install the solar panels clearly.





What power should i choose for my home?

Before we make the final decision, we need consider what power we need.

Most client choose 5KW solar with 10KWH lithium battery single phase system. This kind of system usual generate 15-25kwh A day depend on different country and place sunshine. At emergency time, inverter can provide 5KW output,it can run most type home appliance, just make sure the total power under 5KW or 20Amps.

Some Europe country residential support 380VAC three phase voltage, This kind of client most choose 5KW or 10KW solar with 10KWH and 20KWH storage. It can generate more power and feed to grid. Government will pay them. Meanwhile, client can get more battery capacity at emergency time.

Different country has different Subsidy policy, we suggest client ask for local electrical department to get the newest information. Then according to the policy making final decision.

Last, any design from us is free, we can do different design to fits client varous demands.

