

Ground HV 2500

Stacked ground eco energy storage system
2nd generation upgraded
Lighter, more cost-effective

8 PACKS +1 PDU
20KWh/384V 52Ah

4 PACKS + 1 PDU
10KWh/192V 52Ah

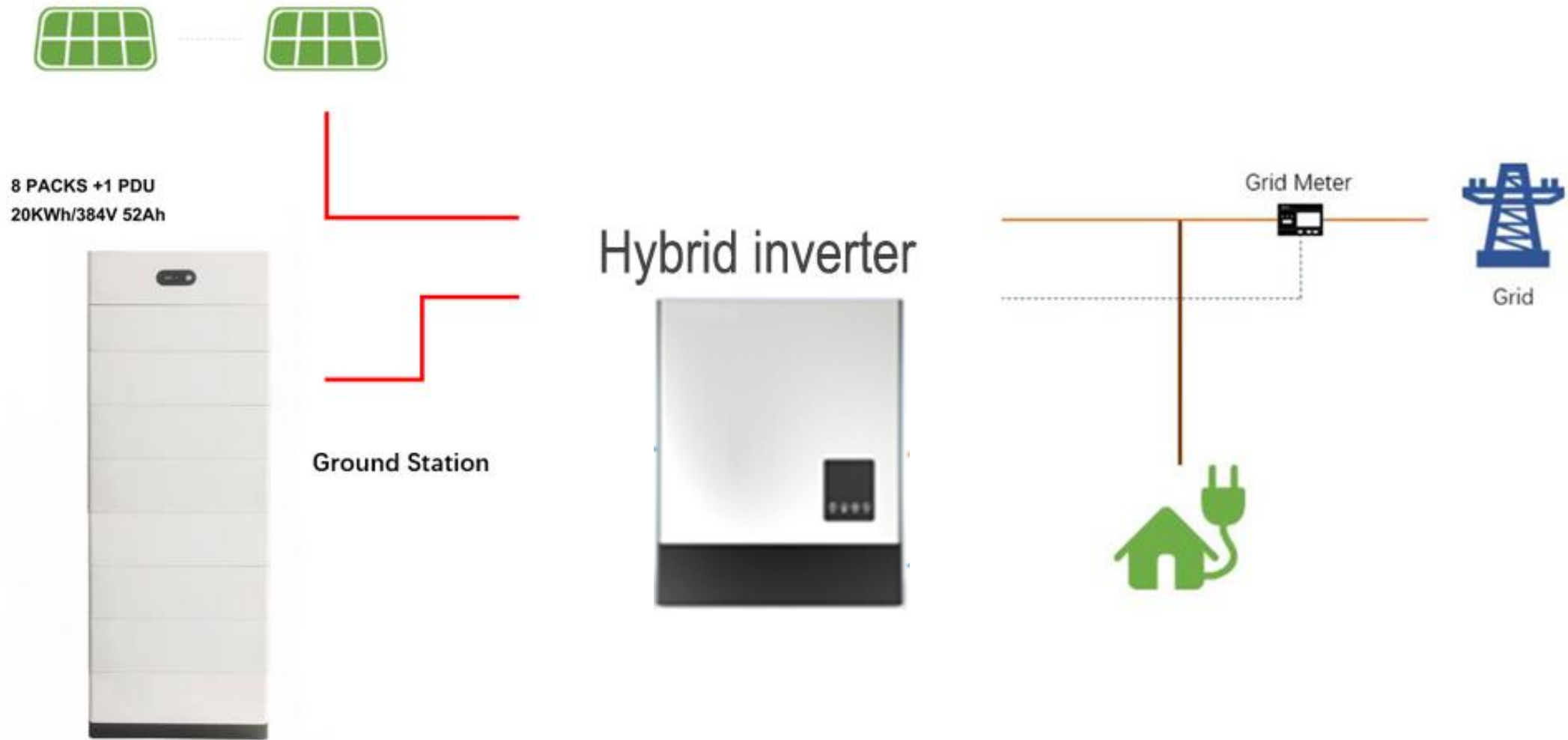


Features:

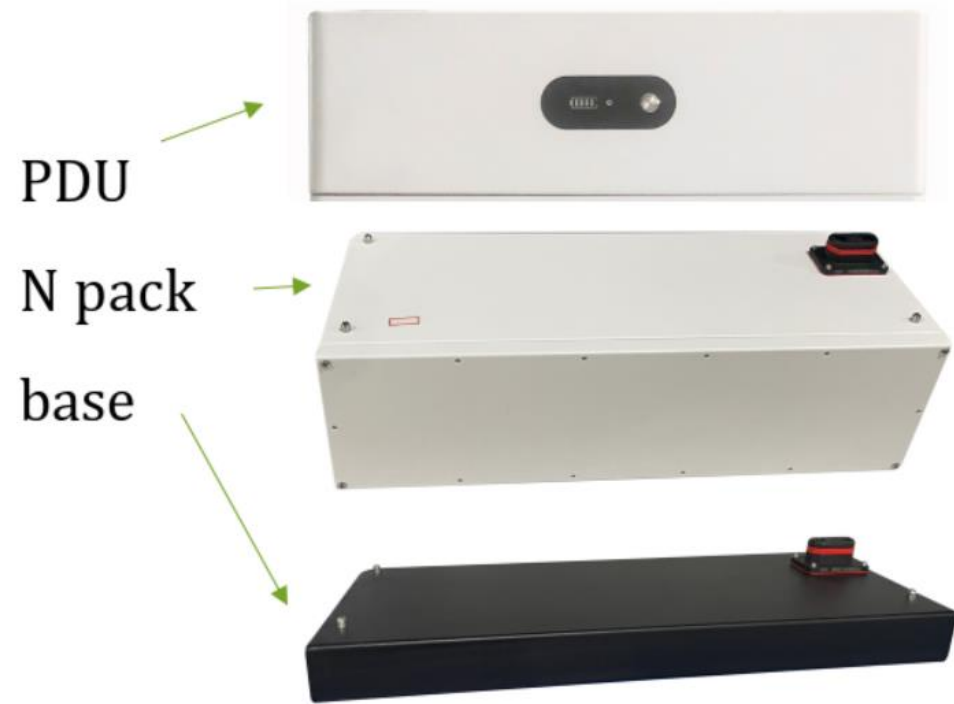
1. Ground type installation.
2. LFP rechargeable battery
3. **Good extendibility, 2.5kWh each, easy extend to 10kWh/15kWh/ 20kWh etc.**
4. Good compatibility, standard communication protocol, CAN and RS485, compatible with most popular hybrid and off-grid inverters in the market.
5. IP65 protection class, suit for outdoor and indoor installation.
6. Long life cycle, more than 6000 times or 10 years.
7. High protection measures, built-in Aerosol active fire protection module, thermal runaway detection and active fire protection.
8. **Quick installation design, plug and play assembly, no more cables between packs, saves manual installation costs.**
9. **Much lighter, 25KG, capable for one man to handle on site.**

High-voltage stacked energy storage battery					
Number of modules	4	5	6	7	8
Mode	Ground HV-10K	Ground HV-12.5K	Ground HV-15K	Ground HV-17.5K	Ground HV-20K
Capacity	52Ah				
Nominal Voltage	192V	240V	288V	336V	384V
Battery Type	LiFeP04				
Connection	1P60S	1P75S	1P90S	1P105S	1P120S
Voltage Working Range(V)	171V-225V	213.75V-281.25V	256.5V-337.5V	299.25V-393.75V	342V-450V
Working Temperature(°C)	Charge: 0°C~+55°C Discharge:-20°C~+60°C				
Nominal Capacity(kWh)	9.984kWh	12.48kWh	14.976kWh	17.472kWh	19.968kWh
Max. Charge Current(A)	35A				
Max. Discharge Current(A)	35A				
Weight	~105kg	~129kg	~152.3kg	~175.5kg	~199.5kg
Dimension(W'D*L)	220x606x900mm	220x606x1070mm	220x606x1240mm	220x606x1410mm	220x606x1580mm
IP Protection	IP65				
Transportation SOC	30%				
Storage	-10°C~+35°C				
Temperature("C) Cycle Life	>6000. 25°C, 0.5C 85%DOD				
Recycleable	Fully recyclable at the end of life				
Istallation	Floor Installation				

Composition of energy storage system



Connection of packs and installation



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