



SPE Series Hybrid Solar Inverter

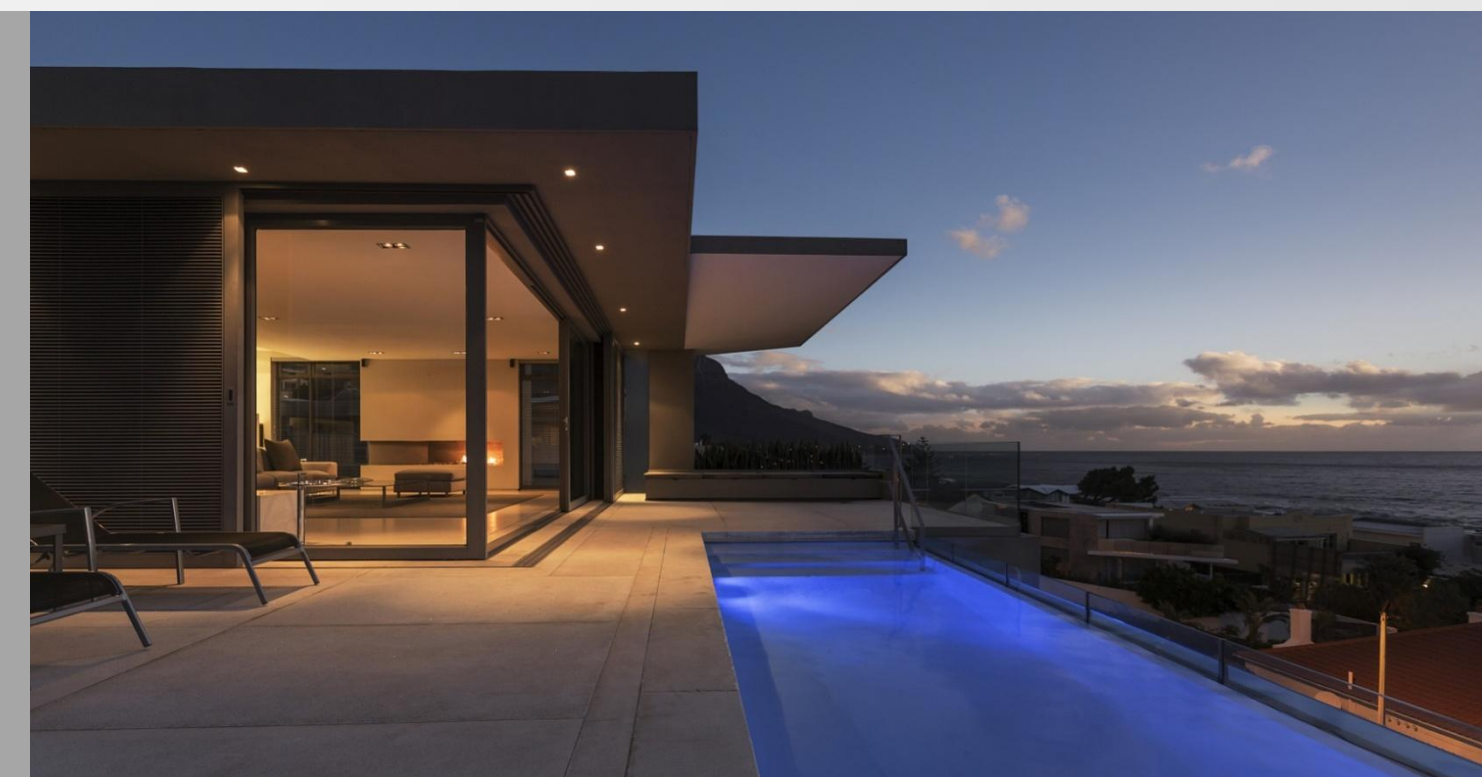


SHENZHEN GROWATT NEW ENERGY CO.,LTD

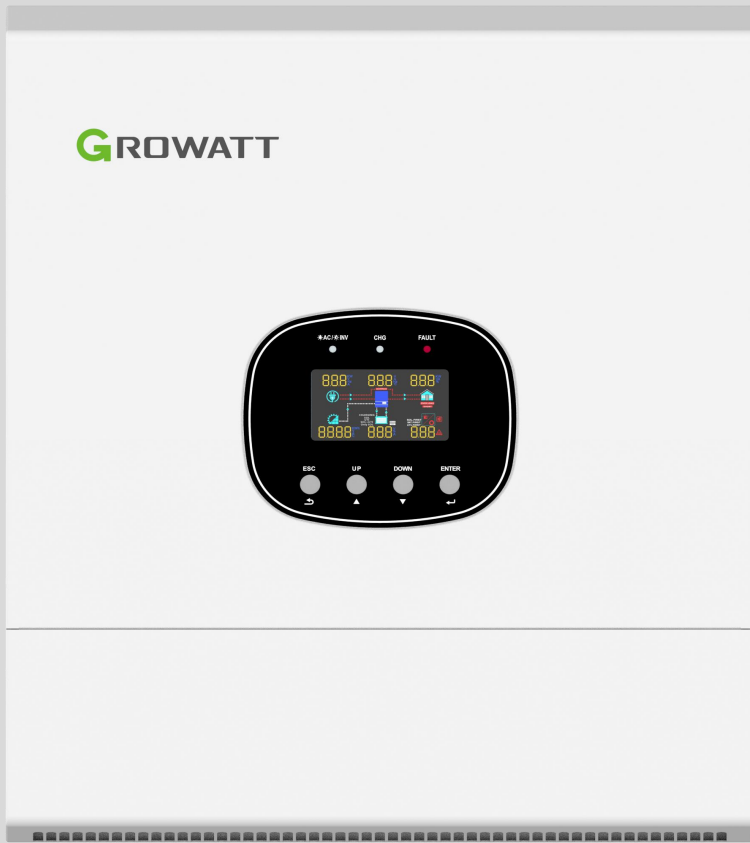
GROWATT

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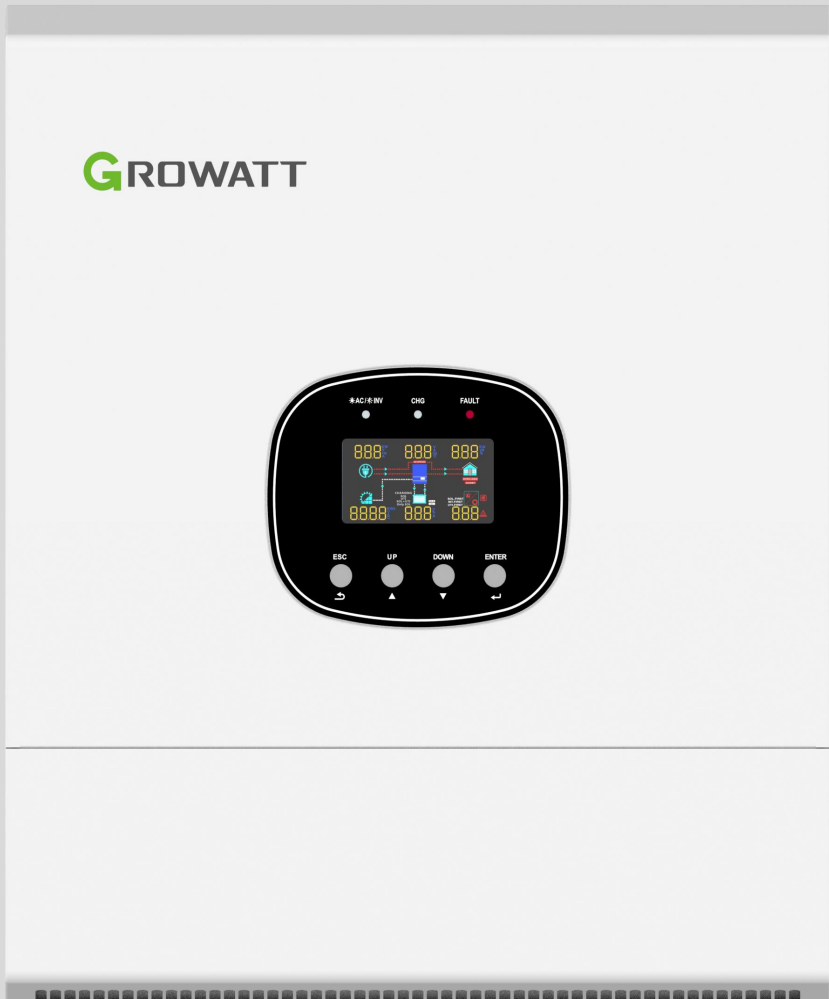
Product Overview



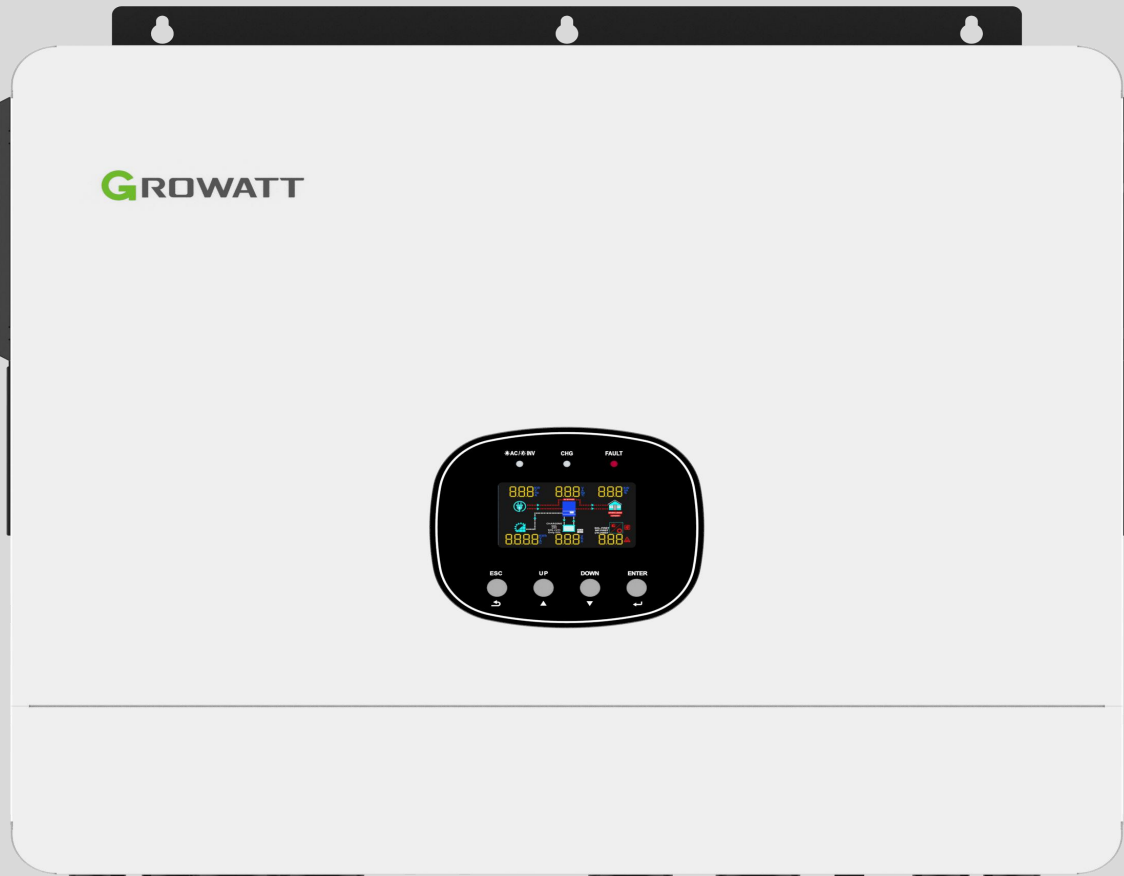
SPE Series Hybrid Inverters



SPE 3500-4500TL HVM-G2



SPE 6000TL HVM-G2



SPE 12000 ES



Safe & Reliable

BLVD, Lower self-consumption
Timing charging and output control



High Yields

Lower self-consumption
Up to 9 units in parallel for capacity extension



Smart Management

Remote Control and Smart Scheduling
thru the Shinephone APP

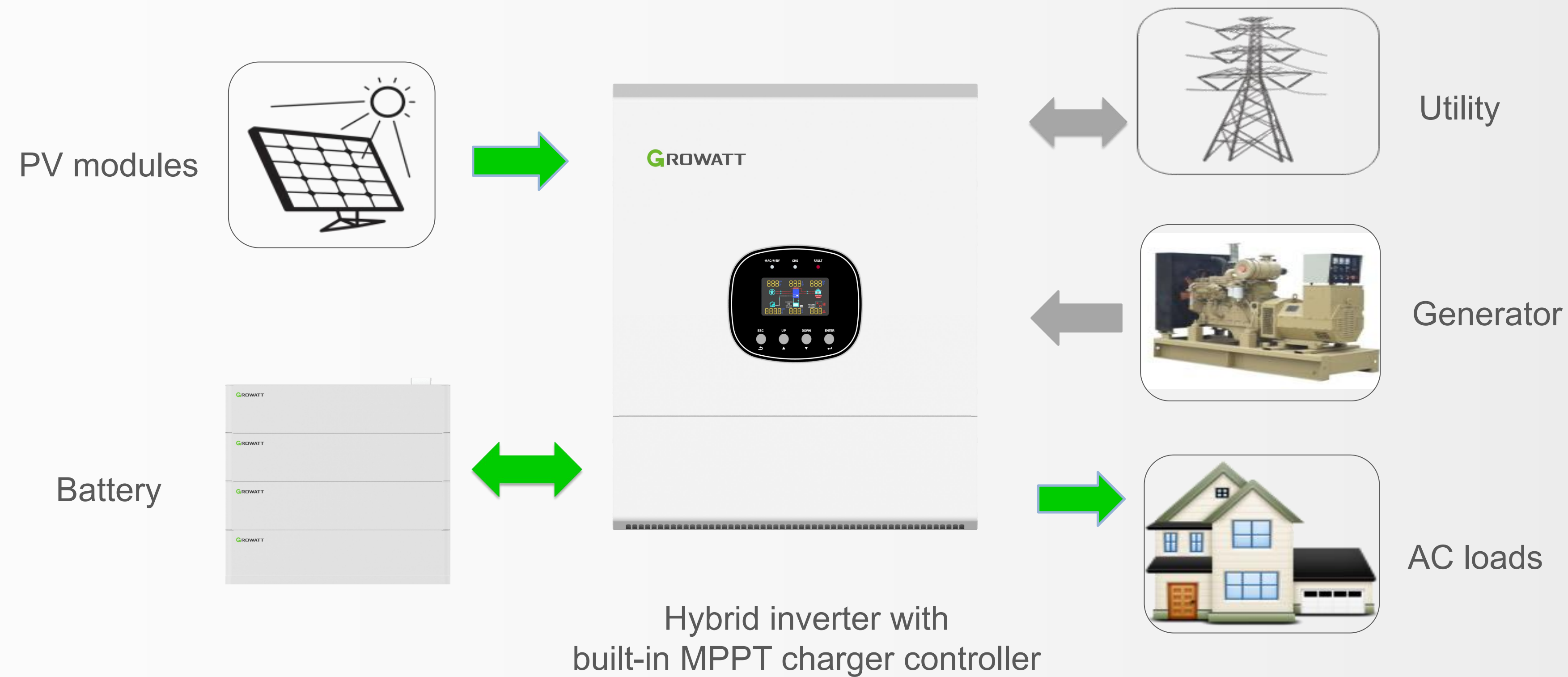
Key Advantages



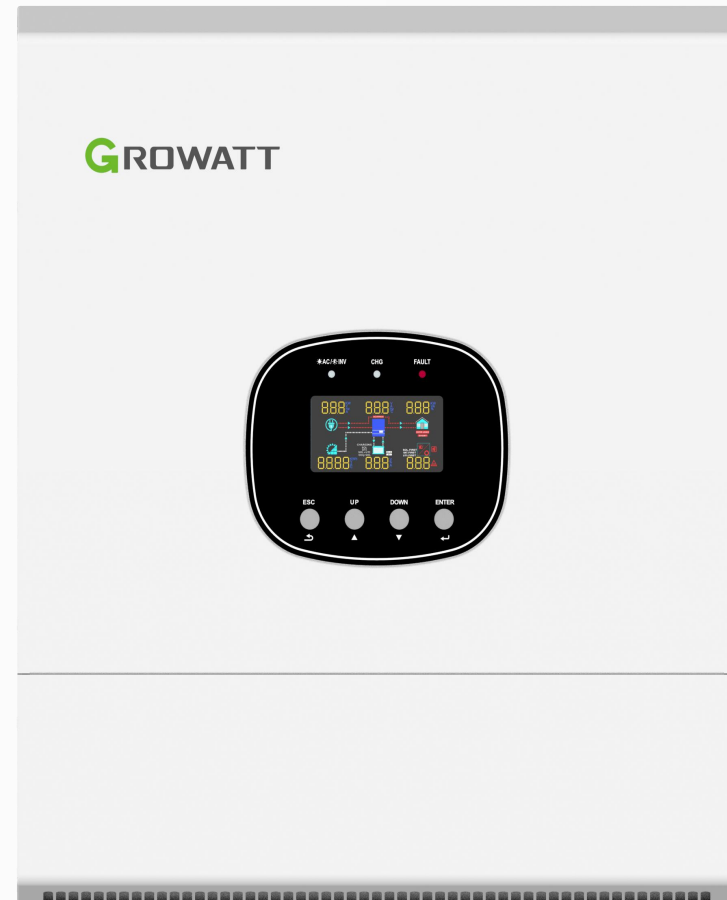
Model	SPF 3000-5000 ES	SPE 3500-6000TL HVM-G2	SPE 12000ES	Benefits
Parameters				
Maximum PV array open circuit voltage	450V	500V	550V	Each string can be connected to more modules,PV input power up to 8000W
No. of MPP trackers	1	2	2	PV module strings can be installed at different orientations
Max. PV input current	22A	32A(16/16)	52A(27/27)	More PV strings can be connected to increase input capacity, compatible with 500+ PV module
AC input source	Utility power or generator	Utility power and generator	Utility power and generator	No need for the extra ATS device to connect between inverter and the AC source
Air flow	Without filter	Without filter	Dust-proof design	Prevent inverter faults caused by the excessive dust and easy for maitenance
Parallel capacity	6	9	9	The system output power is increased to meet the needs of customers with larger loads.
Grid-tied function	NO	Yes	Yes	Customers can enable the grid-tiedfunction according to the actual demand, and then feed the excess PV energy to the grid for profit.
AC output terminal	One	One (3.5-4.5K) Two (6K)	Two	The inverter has two output ports, one is connected to the common load, and the other is connected to the important load. inverter can automatically disconnect the common load and extend the backup time of the important load
Generator control	NO	Yes	Yes	Customers can control the working time and current of the DG according to the actual needs to save the fuel costs.
BLVD function	NO	Smart load (3.5-4.5K) Yes (6K)	Yes	Customers can adjust the working hours of non-essential loads according to actual needs

Hybrid Energy Storage System

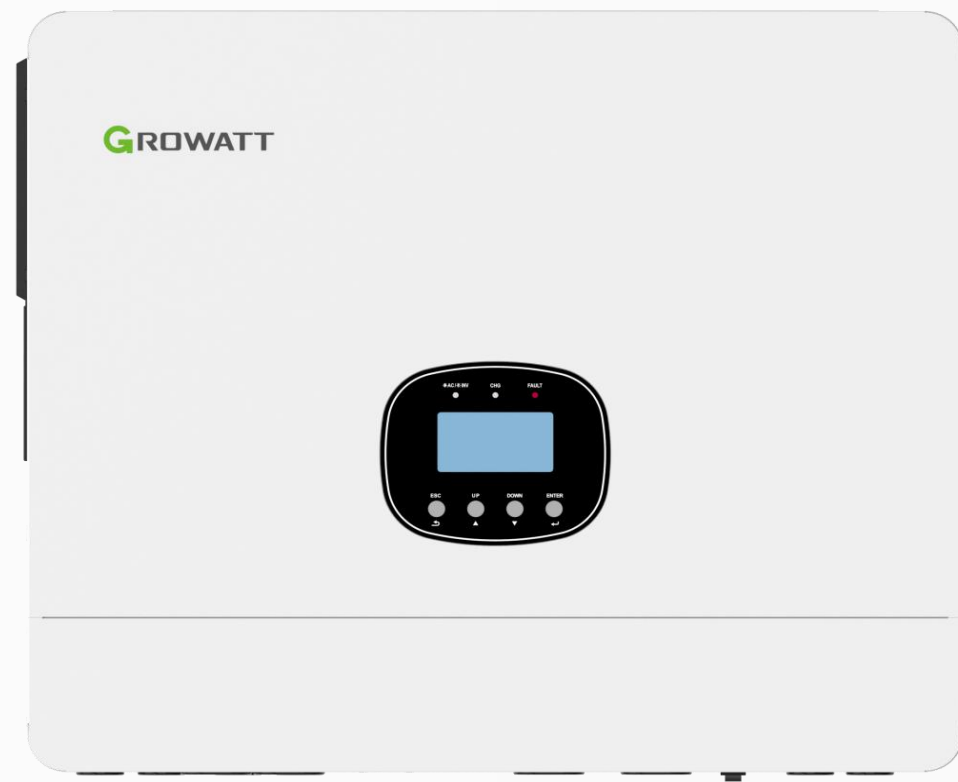
Hybrid energy storage system generally consist of PV modules, hybrid inverter, battery, generator and utility power, monitoring devices ,electrical appliances.



SPE Sereis Inverter



SPE 3500-6000TL HVM-G2



SPE 12000ES

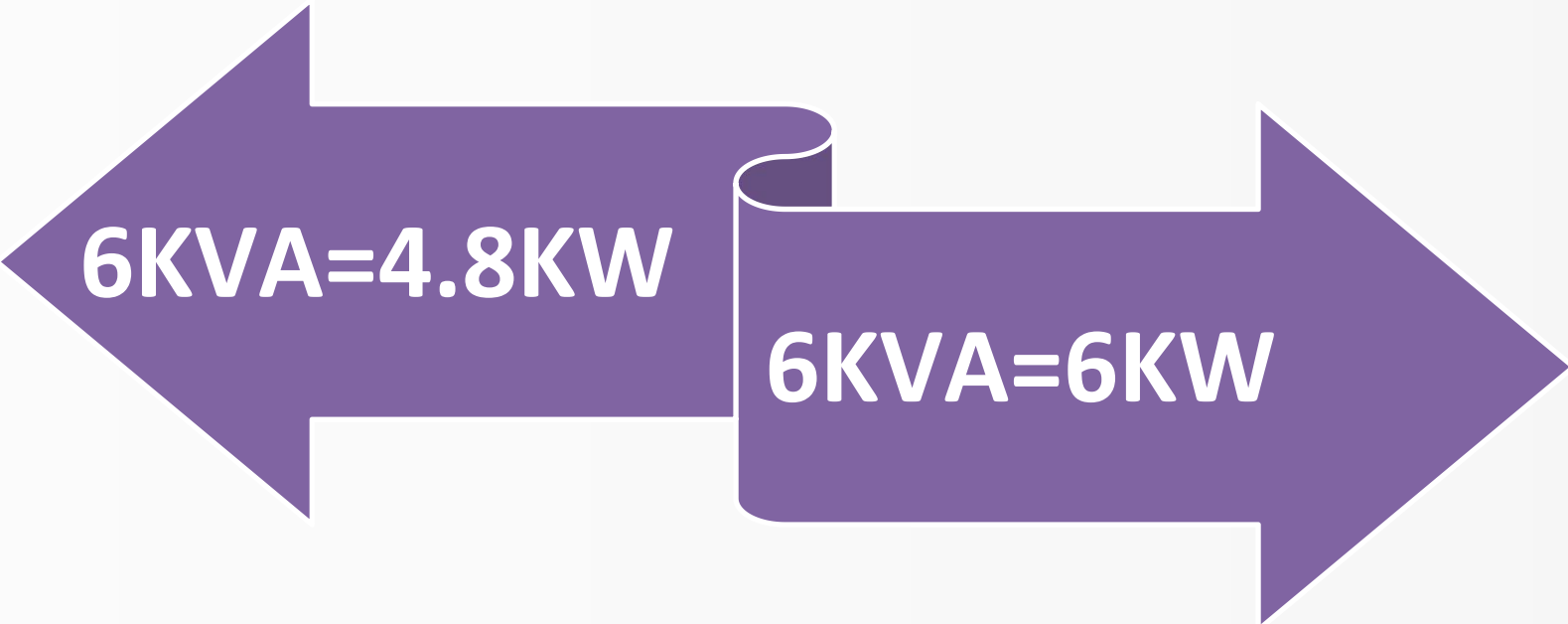
Key Features

1. Dual MPP trackers
2. Plug-and-Play terminal for PV port
3. Two AC input terminals with integrated transfer switch
4. Load segment control to maximize battery runtime for critical load
5. PV input voltage up to 550VDC
6. Adjustable inverter charging and output time
7. Equalization charging function
8. Configurable output and charging priority
9. SUB working mode
10. Parallel operation available up to 9 units
11. Compatible with lithium battery
12. Work with battery or without battery
13. Featuring Grid-Tied Function for Peak Shaving

Power Factor 1.0



More Powerful
Output power factor: 1.0 (6KVA & 6KW)



Power factor : 0.8

6KW Load, Over-load 125%,
inverter stop working

Power factor : 1.0

6KW load, Inverter 100% load,
still work normally



