Energy Storage Hybrid Inverter (AC Three-phase)

Flexible

- Wide input voltage range.
- Compatible with lead-acid or lithium-ion batteries or other battery.

Grace

- Fashion apperance, light weight, smart operation.
- Natural cooling, low noise.
- IP65 , wall mounted design, saving space.
- Touch screen LCD.

Reliable

- Compatible anti counter flow function.
- Battery reverse connect protection.

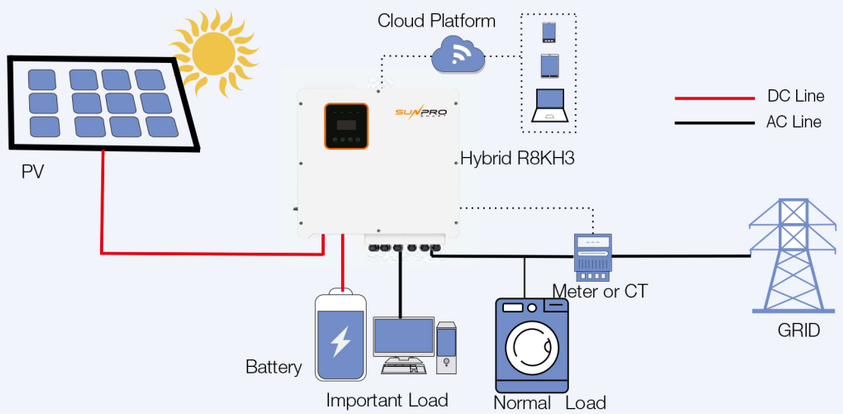
Advanced

- Intelligent energy management system for home.
- Power dispatching and demand side response management.
- Distributed virtual power station management.

Application Scenario

Villa | Communication base station | Nomadic area | Farm | Household | Field power supply

Product Topology



Model	SP6KH3	SP8KH3	SP10KH3	SP12KH3
PV input				
Max. input power	7.8KW	10.4KW	13KW	15.6KW
Max. PV voltage	1000V			
MPPT range	125V-850V			
Max. input current	12.5A*2			
MPPT tracker/strings	2/1	2/1	2/1	2/1
AC output				
Max. output power	6.6KVA	8.8KVA	11KVA	13.2KVA
Max. output current	9.5A	12.7A	15.9A	19.1A
Nominal voltage/range	400VAC /360Vac~440Vac			
Frequency	50 /60Hz			
PF	0.99lagging-0.99leading			
THDI	<3%			
AC output topology	3W+N+PE			
Battery				
Battery voltage range	125V~600V			
Charge/discharge current	50A	50A	50A	50A
Max. Charge/discharge power	6.6KW	8.8KW	11KW	13.2KW
Battery type	Lithium-ion /Lead-acid			
Communication interface	CAN/RS485			
Eps output				
Max. output power	6.6KVA	8.8KVA	11KVA	13.2KVA
Rated voltage	400Vac			
Rated current	9.5A	12.7A	15.9A	19.1A
Rated frequency	50 /60Hz			
Automatic switchover time	<20ms			
THDU	<2%			
General data				
Battery chage/dischage	97.5%	97.5%	97.5%	97.6%
DC max. efficiency	97.9%	97.9%	98.2%	98.2%
Euro efficiency	97.2%	97.2%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Protection class	IP65			
Noise emission (typical)	<35dB			
Operation temperature	-25℃~+60℃			
Cooling	Natural			
Relative humidity	0 ~95% (non-condensing)			
Altitude	2000m			
Dimensions (WXDXH)	530X200X560mm			
Weight	29kg			
Inverter topology	Without transformer			
Self-consumption	<3W			
Features				
Display	LCD			
Interface:RS485/wifi/can/drm	yes /opt/yes/yes			
Certificates	CE、TUV			