

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

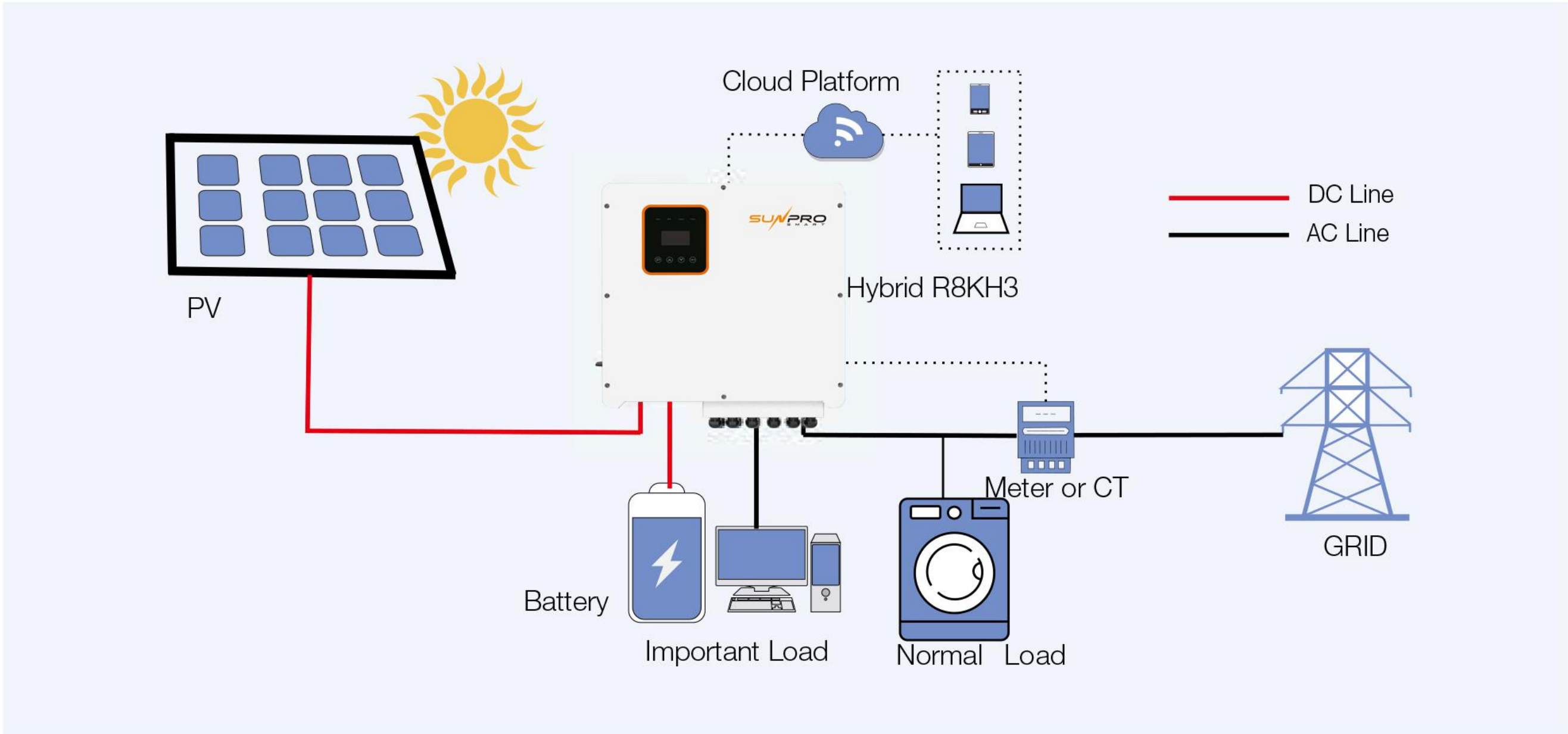


Household



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	14A*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/discharge	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°C~+60°C			
Cooling	Natural			
Relative humidity	0 ~95% (non-condensing)			
Altitude	2000m			
Dimensions (WDXH)	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			