

Energy Storage Hybrid Inverter (Low Battery Voltage)



Flexible

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

Grace

- Fashion appearance, 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

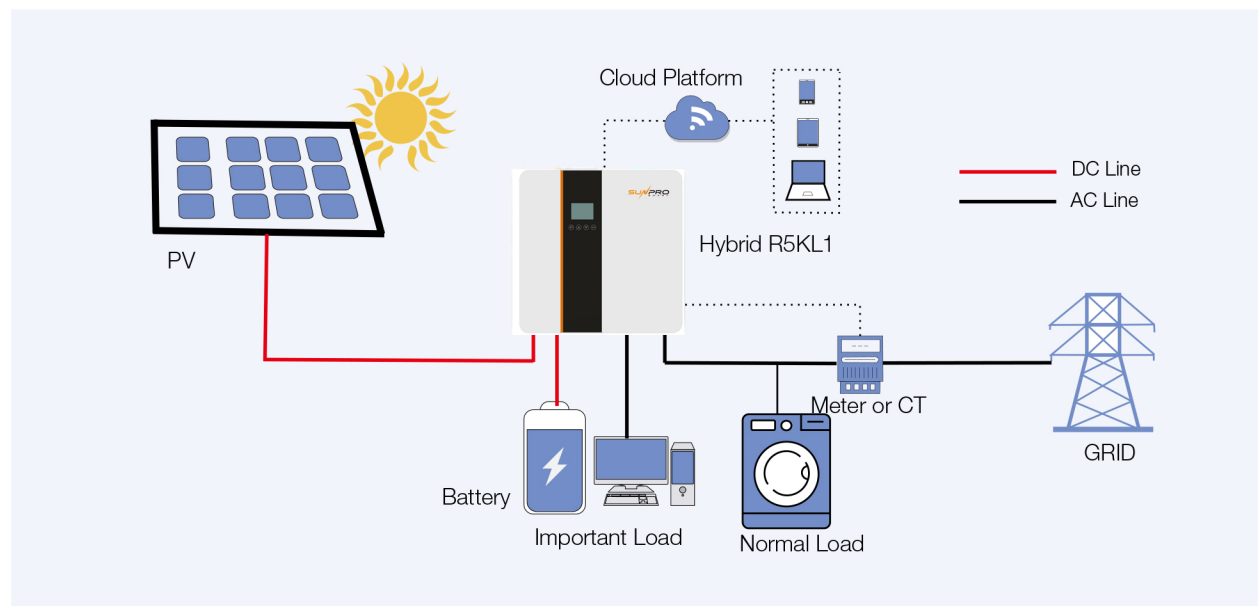


Household



Field power supply

Product Topology



Model	SP3KL1	SP3K6L1	SP4KL1	SP4K6L1	SP5KL1	SP6KL1
PV input						
Max. Input Power	4600W		6000W		7000W	
Start-up voltage	125V					
Max. PV voltage	550V					
MPPT range/nominal	125V-500V /360V					
Max. input current	14A/14A					
MPPT tracker/strings	2/1					
AC output						
Rated power w/va	3000VA/3000W	3600VA/3600W	4000VA/4000W	4600VA/4600W	5000VA/5000W	6000VA/6000W
Max. output current	13A	16A	17.4A	20A	21.7A	26A
Nominal voltage/range	230V /180Vac~280Vac					
Frequency	50 /60Hz					
PF	0.99lagging-0.99leading					
THDI	<3%					
AC output topology	L+N+PE					
Battery						
Battery voltage range	40~58V					
Max. charging voltage	58V					
Charge/discharge current	95A/62.2A	95A/75A	95A/83.3A	95A/95.8A	95A/104.2A	95A/110A
Battery type	lithium /Lead-acid					
Communication interface	CAN/RS485					
EPS output						
Rated power w/va	3000VA/3000W	3600VA/3600W	4000VA/4000W	4600VA/4600W	5000VA/5000W	6000VA/6000W
Rated voltage	230Vac					
Rated current	13A	16A	17.4A	20A	21.7A	26A
Rated frequency	50 /60Hz					
Automatic switchover time	<20ms					
THDU	<2%					
Overload capacity	110%,60S/120%,30s/150%,10s					
General data						
Battery chage/discharge	95.5%/95%					
DC max. efficiency	97.6%					
Euro efficiency	97%					
MPPT efficiency	99.9%					
Protection class	IP65					
Noise emission (typical)	<35dB					
Operation temperature	-25°C~+60°C					
Cooling	Natural					
Relative humidity	0~95% (non-condensing)					
Altitude	2000m					
Dimensions (WXDXH)	550X200X515mm					
Weight	26kg					
Inverter topology	Without transformer					
Self-consumption	<3W					
Features						
Display	LCD					
Interface:RS485/wifi/can/drm	yes /opt/yes/yes					
Certificates	CE、TUV、SAA					