

## 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

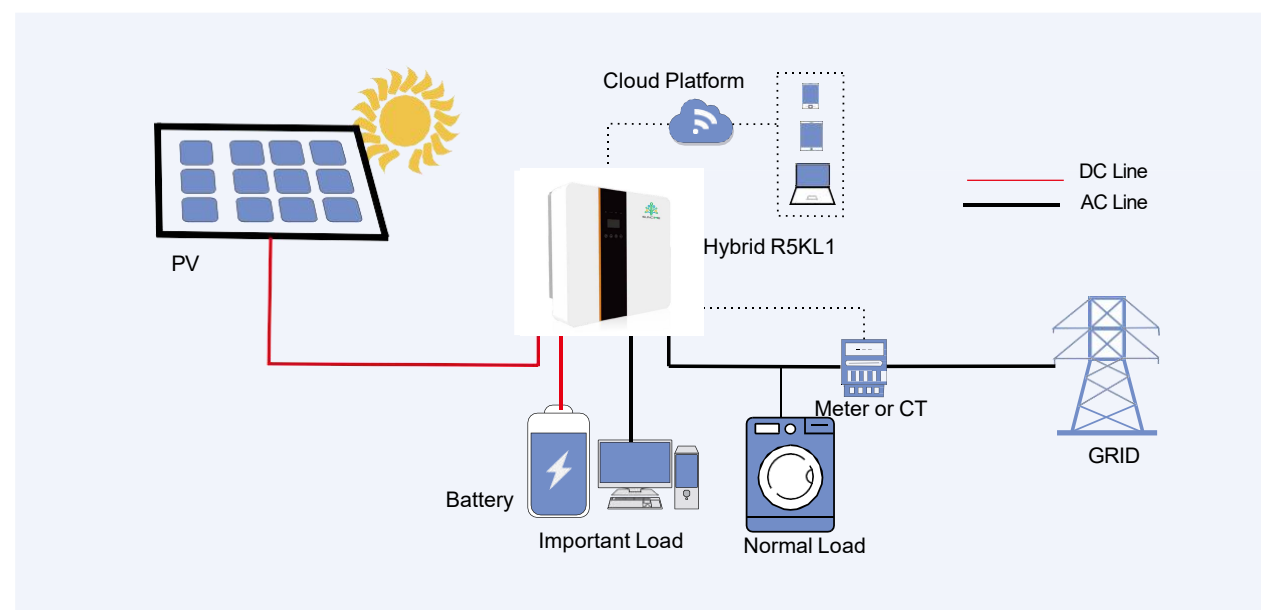


Household



Field power supply

### Product Topology



Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1
<b>PV input</b>						
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					
<b>AC output</b>						
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					
<b>Battery</b>						
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					
<b>EPS output</b>						
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					
<b>General data</b>						
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 (WDXH)	550X200X515mm					
Weight	26kg					
Inverter topology	Without transformer					
Self-consumption	<3W					
<b>Features</b>						
Display	LCD					
Interface:rs485/wifi/lan /can/drm	yes /opt/opt/yes/yes					
Certificates	CE, TUV, SAA					