

Energy Storage Hybrid Inverter (High 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

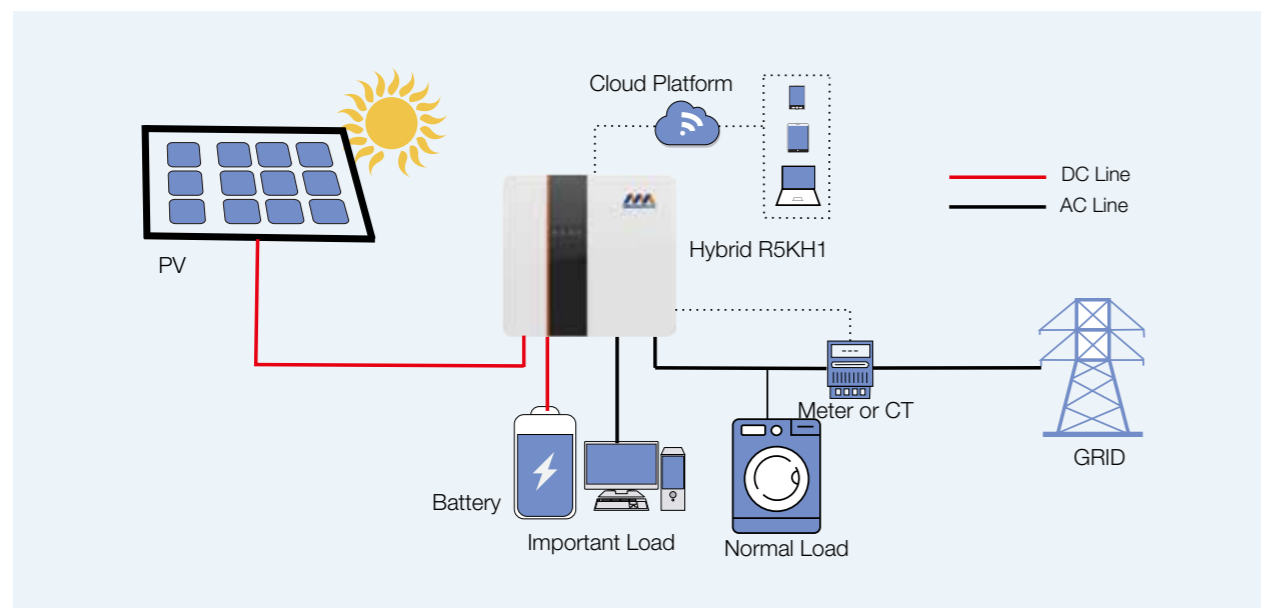


Household



Field power supply

Product Topology



Model	R3KH1	R3K6H1	R4KH1	R5KH1	R5K5H1	R6KH1
DC input						
Start-up voltage	125V					
Max. PV voltage	550V					
PV voltage range	125V-550V					
MPPT range/nominal	125V-550V /360V					
Max. input current	14A/14A					
MPPT tracker/strings	2/1					
AC output						
Rated power	3000VA/3000W	3680VA/3680W	4000VA/4000W	5000VA/5000W	5500VA/5500W	6000VA/6000W
Max. output current	13A	16A	17.4A	23A	23.9A	26A
Nominal voltage/range	230V /180Vac~280Vac					
Frequency	50 /60Hz					
PF	1(0.8lagging-0.8leading)					
THDI	<3%					
AC output topology	L+N+PE					
Battery						
Battery voltage range	250V~500V					
Max. charging voltage	500V					
Charge/discharge current	20A					
Battery type	lithium /Lead-acid					
Deep of discharging	80%DOD/50%DOD					
Communication interface	CAN/RS485					
Eps output						
Rated power w/va	3000VA/3000W	3600VA/3600W	4000VA/4000W	5000VA/5000W	5500VA/5500W	6000VA/6000W
Rated voltage						
Rated current	13A	16A	17.4A	23A	23.9A	26A
Rated frequency	50Hz					
Automatic switchover time	<20ms					
THDU	<2%					
Parallel operation	yes					
General data						
Battery chage/discharge	96.5%/96%					
DC max. efficiency	97.6%					
Euro efficiency	97%					
MPPT efficiency	99%					
Protection class	IP65					
Noise emission (typical)	<35dB					
Operation temperature	-25~+60°C					
Cooling	Natural					
Relative humidity	0 ~95% (non-condensing)					
Altitude	2000m					
Dimensions (WDXH)	550X200X515mm					
Weight	25kg					
Inverter topology	Without transformer					
Self-consumption	<3W					
Features						
Display	LCD					
Interface:rs485/wifi/lan /can/drm	yes /opt/yes/yes					
Certificates	CE、TUV、VDE					