



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

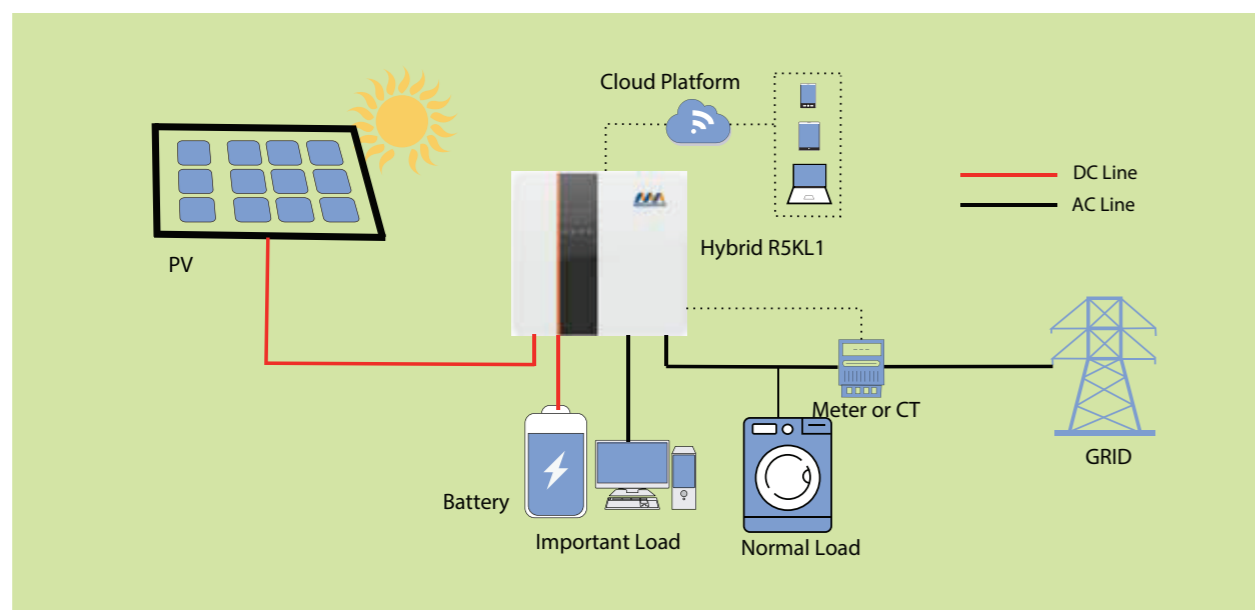


Household



Field power supply

Product Topology



Model	ECO-R3KL1	ECO-R3K6L1	ECO-R4KL1	ECO-R4K6L1	ECO-R5KL1	ECO-R6KL1
DC input						
Max. Input Power	4600W		6000W		7000W	
Start-up voltage	125V					
Max. PV voltage	550V					
MPPT range/nominal	125V-550V /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	1 (0.8lagging-0.8leading)					
THDI	<3%					
AC output topology	L+N+PE					
Battery						
Battery voltage range	42~59V					
Max. charging voltage	58V					
Charge/discharge current	95A/62.5A	95A/76.6A	95A/83.3A	95A/95.8A	95A/110A	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%					
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	25kg					
Inverter topology	Without transformer					
Self-consumption	<3W					
Features						
Display	LCD					
Interface:rs485/wifi/lan /can/drm	yes /opt/opt/yes/yes					
Certificates	CE, TUV					