

RKL-G2 Series / 3-8kW

Residential Single Phase Hybrid Inverter



Battery reverse connect protection



IP65 , wall mounted design, saving space



Compatible anti counter flow function



Support multi-machine parallel connection



Fashion appearance, light weight, smart operation



Natural cooling, low noise

- Compatible with lead-acid or lithium-ion batteries or other battery access
- Intelligent energy management system for home
- Power dispatching and demand side response management node
- Distributed virtual power station management node

DC Input	R3KL1-G2	R3K6L1-G2	R4KL1-G2	R4K6L1-G2	R5KL1-G2	R6KL1-G2	R8KL1-G2
Max. Input Power (kW)	4.6	4.6	6	6	7	7	12
Start-up Voltage (V)	120						
Max. PV Voltage(V)	550						
MPPT Range/Nominal (V)	125~500/360						
Max. Input Current(A)	14/14	14/14	14/14	14/14	14/14	14/14	30/15
MPPT Tracker/Strings	2/1	2/1	2/1	2/1	2/1	2/1	2/3

AC Output

Rated Power (kW)	3	3.68	4	4.6	5	6	8
Max. Output Current(A)	13	16	17.4	20	21.7	26	35
Nominal Voltage/Range(V)	230 /176~270						
Frequency (Hz)	50 /60						
Power Factor	1(0.8lagging-0.8leading)						
THDi	<3%						
AC Output Topology	L+N+PE						

Battery

Battery Voltage Range(V)	40~58						
Max. Charging Voltage(V)	58						
Charge/Discharge Current(A)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110	160/160
Communication Interface	CAN						
EPS Output							
Rated Power (kW)	3	3.6	4	4.6	5	6	8
Rated Voltage(V)	230						
Rated Current(A)	13	16	17.4	20	21.7	26	35
Rated Frequency(Hz)	50 /60						
Automatic Switching Time(ms)	<20						
THDu	<2%						
Overload Capacity	110%, 60S/120%, 30S/150%, 10S						

General Data

Battery Charge /Discharge Efficiency	96.5%
DC Max. Efficiency	98.2%
Europe Efficiency	97.5%
MPPT Efficiency	99.9%
Ingress Protection	IP65
Noise Emission(dB)	<35
Operation Temperature	-25℃~ 60℃
Cooling	Natural
Relative Humidity	0 ~95% (non-condensing)
Altitude	2,000m (>2,000 Derating)
Dimensions W * D * H (mm)	451*212*474
Weight(kg)	18
Inverter Topology	transformerless
Self-Consumption(W)	<3

Display And Communication

Display	/
Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes