

REVO Residential Energy Storage Inverters

G2 Hybrid Inverter

Product Features:

Friendly & Flexible

- Compatible with lead-acid and lithium-ion batteries ;

Grace

- Fashion appearance, light weight, smart operation;
- Natural cooling, low noise;
- IP65 , wall mounted design, saving space;

Reliable

- Compatible anti counter flow function;
- Battery reverse connect protection;

Advanced

- Intelligent energy management system for home;
- Power dispatching and demand side response management node;
- Distributed virtual power station management node;



Technical Specification:

Datasheet	R3KL1-G2	R3K6L1-G2	R4KL1-G2	R4K6L1-G2	R5KL1-G2	R6KL1-G2	R8KL1-G2
PV string input							
Max. input power (kW)	4.5	5.4	6	6.9	7.5	9	12
Start-up voltage (V)	100						
Max. PV voltage(V)	550						
MPPT range/nominal (V)	80~500/360						
Max.input current of single MPPT(A)	16/16	16/16	16/16	16/16	16/16	16/16	16/32
No. of MPPT trackers	2	2	2	2	2	2	2
No. of strings per MPPT trackers	1/1	1/1	1/1	1/1	1/1	1/1	1/2
AC output							
Rated power (kW)	3	3.68	4	4.6	5	6	8
Rated 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(0.8 leading-0.8 lagging)						
THDi	<3%						
AC grid type	L+N+PE						
Battery							
Battery voltage range(V)	40~58						
Max. charging voltage(V)	58						
Max. charge/discharge Current(A)	60/60	72/72	80/80	92/92	100/100	120/120	160/160
Battery Type	Lithium / Lead-acid						
Communication Interface	CAN						
EPS output							
Rated power (kW)	3	3.68	4	4.6	5	6	8
Rated voltage(V)	230						
Rated Output Current(A)	13	16	17.4	20	21.7	26	35
Rated frequency(Hz)	50 /60						
Automatic switchover time(ms)	<10						
THDu	<2%						
Overload capacity	110%, 60S/ 120%, 30S/ 150%, 10S						
General data							
Battery charge /discharge efficiency	96%						
DC Max. efficiency	98%						
Europe efficiency	97%						
MPPT efficiency	99.9%						
Ingress protection	IP65						
Noise emission(dB)	<35						
Operation temperature (°C)	-25~ 60						
Cooling	Natural						
Relative Humidity	0 ~95% (non-condensing)						
Operating altitude	2,000m (>2,000 Derating)						
Dimensions W * D * H (mm)	454.5*200*474						467*200*484
Net weight (kg)	18						20
Topology	Non-isolated						
Self-consumption at night (W)	< 2.5 (with battery enabling < 5)						
Display and communication							
Display	Optional (colorful touch screen /no screen)						
Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes						