

REVO residential Energy Storage inverters

MINI Hybrid Inverter



Product features:

Friendly & flexible

- Support multi-machine parallel connection;
- Compatible with lead-acid or lithium-ion batteries or other battery access ;

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 mode ;
- Distributed virtual power station management mode ;

Technical specification:

Datasheet	R3KL1-G2	R3K6L1-G2	R4KL1-G2	R4K6L1-G2	R5KL1-G2	R6KL1-G2
Ac Output						
Rated Power (kW)	3	3.6	4	4.6	5	6
Max. Output Current(A)	13	16	17.4	20	21.7	26
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					
DC Input						
Max. Input Power (kW)	4.6	4.6	6	6	7	7
Start-up Voltage (V)	120					
Max. PV Voltage(V)	550					
MPPT Range/Nominal (V)	125~500/360					
Max. Input Current(A)	14/14					
MPPT Tracker/Strings	2/1					
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
Communication Interface	CAN					
Eps Output						
Rated Power (kw)	3	3.6	4	4.6	5	6
Rated Voltage(v)	230					
Rated Current(a)	13	16	17.4	20	21.7	26
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	95%					
Dc Max. Efficiency	97.6%					
Europe Efficiency	97%					
Mppt Efficiency	99.9%					
Ingress Protection	IP65					
Noise Emission(db)	<35					
Operation Temperature	-25°C ~ 60°C					
Cooling	Natural					
Relative Humidity	0 ~95% (non-condensing)					
Altitude	2,000m (>2,000 Derating)					
Dimensions W * D * H (mm)	460*195*390					
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					
PV power	< 4.6KW	< 4.6KW	< 6KW	< 6KW	< 7KW	< 7KW
PV voltage	125-500V	125-500V	125-500V	125-500V	125-500V	125-500V
Load power	≤3KW	≤3.6KW	≤4KW	≤4.6KW	≤5KW	≤6KW
Load voltage	230V	230V	230V	230V	230V	230V
Reserve power requirement	5KWh (1.6h Reserve) 5KWh (1.38h Reserve) 5KWh (1.25h Reserve) 5KWh (1.08h Reserve) 5KWh (1h Reserve) 5KWh (0.83h Reserve)					