

REVO residential Energy Storage
inverters

Low voltage hybrid inverter

battery voltage: 48V

Product features:

Safe & reliable

- Complete functional protection measures;

Friendly & flexible

- LCD or touch panel are optional;
- Support diesel generator connection;
- support the parallel function;
- 4 MPPT trackers;

Intelligent & efficient

- Max.charging/discharging current up to 250A;
- Multiple working modes are optional;
- support WIFI,GPRS,4G,APP;



Technical specification:

Technical specification	R7K6L1	R8KL1	R10KL1	R12KL1
Input (PV)				
Max. power(kW)	12	12	13	15.6
Max. DC voltage (V)			500	
MPPT voltage range(V)			120~500	
Max.input current of single MPPT(A)			12	
MAX. short circuit current(A)			15	
AC output				
Rated output power(kVA)	7.6	8	10	12
Max. output power(kVA)	8.4	8.8	11	13.2
Max. output current(A)	36.3	38.3	47.8	57.4
Ac output voltage(V)			220,230,240	
Frequency(Hz)			50/60 (45 ~ 55, 55 ~ 65)	
PF			0.8lagging-0.8leading	
THDi			< 2%	
Battery				
Nominal voltage (V)			48	
Battery voltage range(V)			40~60	
Max. charge/discharge current(A)	190/190	190/190	210/210	250/250
Battery type			lithium /Lead-acid	
Charging strategy for Li-Ion battery			Self-adaption to BMS	
EPS output				
Rated power(kVA)	7.6	8	10	12
Rated output voltage(V)			220, 230 ,240	
Rated frequency(Hz)			50/60	
THDu			< 2%	
Protection				
Grounding detection			YES	
Arc fault protection			optional	
Island protection			YES	
Battery reverse polarity			YES	
Insulation resistor detection			YES	
Residual current monitoring unit			YES	
Output over current protection			YES	
Back-up output short protection			YES	
Terminal temperature detection			YES	
Output over voltage/under voltage protection			YES	
General data				
Europe efficiency (PV)			≥97.8%	
MAX. battery to load efficiency			≥97.2%	
Ingress protection			IP65	
Noise emission(dB)			<38	
Operation temperature			-25°C ~ 60°C	
Cooling			FAN Cooling	
Relative humidity			0 ~95% (non-condensing)	
Altitude			0~4,000m	
Dimensions W *D *H (mm)			430*220*710	
Weight(kg)			41	
Display			LCD, Touch panel (optional)	
Communication with BMS/meter/EMS			RS485, CAN	
Communication interface			RS485, WLAN, 4G (optional)	
Self-consumption at night			< 2.5 W (with battery enabling < 5 W)	
Certificates			South Africa NRS, IEC 62109-1/-2, IEC 61000-6-1, IEC 61000-6-3	