

REVO residential Energy Storage  
inverters

# Low voltage hybrid inverter

Battery voltage level: 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	R8KL1	R10KL1
<b>Input (PV)</b>		
Max. power(kW)	12	15
Max. DC voltage (V)		500
MPPT voltage range(V)		120~500
Max.input current of single MPPT(A)		14
MAX. short circuit current(A)		15
<b>AC output</b>		
Rated output power(kVA)	8	10
Max. output power(kVA)	8.8	11
Max. output current(A)	38.3	47.8
Ac output voltage(V)		220,230,240
Frequency(Hz)		50/60 (45 ~ 55, 55 ~ 65)
PF		0.8lagging-0.8leading
THDi		< 2%
<b>Battery</b>		
Nominal voltage (V)		48
Battery voltage range(V)		40~60
Max. charge/discharge current(A)	190/190	210/210
Battery type		lithium /Lead-acid
Charging strategy for Li-Ion battery		Self-adaption to BMS
<b>EPS output</b>		
Rated power(kVA)	8	10
Rated output voltage(V)		220, 230 ,240
Rated frequency(Hz)		50/60
THDu		< 2%
<b>Protection</b>		
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
<b>General data</b>		
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		2,000m (>2,000 Derating)
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