

REVO residential Energy Storage Inverters

# Low battery voltage hybrid inverter

**Battery voltage level: 48V**

LIFEPO4BATTERY

**BSM48106**

**8KW**

**51.2V 106AH**



## 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

MODULE	BSE6KL1
<b>Input (PV)</b>	
Max. power(kW)	12
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
<b>AC output</b>	
Rated output power (kVA)	8
Max. output power(A)	8.8
Max. output current(A)	38.6
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
Battery type	Lithium /Lead-acid
Charging strategy for Li-Ion battery	Self-adaption to BMS
<b>EPS output</b>	
Rated power(kVA)	8
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	-25oC ~ 60oC
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 (optinal)
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