

REVO residential energy storage inverters

# Off-grid inverter



## Key strengths

- ▮ Strong load adaptability and grid adaptability.
- ▮ Adopting a large touch screen.
- ▮ Support 4 pcs in parallel.
- ▮ Max. 1.5x PV power, no noise.
- ▮ IP65 protection level, longer product design life.
- ▮ Support three-phase function.

Model	O5KL1D	O6KL1D
<b>PV input data</b>		
Max. input power (kW)	7.5	9
MPPT tracker/strings		1/1
Max. PV input voltage (V)		500
MPPT voltage range (V)		100~430
Max. input current (A)		32
Short circuit current (A)		37

**Battery**

Rated voltage (V)	48	
Battery voltage range (V)	40~58	
Max. charging/discharging current (A)	100/100	120/120
Battery type	Lithium/Lead-acid	
Charging strategy for Li-Ion battery	Self-adaption to BMS	

**Off-grid output**

Rated output power (kW)	5	6
Rated output voltage (V)	230	
Output frequency (Hz)	50/60	
Max. apparent output current (A)	21.7	26
Max. output over current (A)	26	31.2
Power factor	1 (0.8 leading-0.8 lagging)	
THDu	<3%	
Switching time (ms)	10	

**Grid input**

Rated input voltage (V)	230	
Grid voltage input range (V)	176~270	
Rated grid frequency (Hz)	50/60	
THDi	<3%	
Type of grid connection	L+N+PE	

**AC input(On-GEN)**

Max. input power (kW)	5	6
Max. input current (A)	21.7	26

**Protection**

Island protection	Yes
Insulation resistor detection	Yes
PV input reverse protection	Yes
Output over current protection	Yes
Output short protection	Yes
Output over voltage protection	Yes
Output under voltage protection	Yes
AC/DC surge protection	Yes

**General data**

Max. efficiency	96%
Operating temperature range (°C)	-25°C ~60°C
Relative humidity	5%-95%
Operating altitude (m)	0-2000
Ingress protection	IP65
Weight (kg)	17
Dimensions W*D*H (mm)	455*200*447
Cooling	Natural convection
Noise emission (dB)	<35
Display	Color screen
Communication With RS485/Wifi/GPRS/CAN/DRM	Possess/Optional/Optional/Possess/Possess
Topology	Non-isolated