

REVO Residential Energy Storage Inverters

O5KL1 / O5KL1D Off-grid Inverter



Key strengths

- | Support AC and DC power activation.
- | Adopt LCD display, more convenient operation.
- | Supports 6 pcs in parallel, and it can be extended to 30kW.
- | Max. 1.5x DC overmatching.
- | Optional WIFI or GPRS for remote monitoring.
- | Support three-phase function.

PV input

Model	O5KL1	O6KL1
	O5KL1D	O6KL1D
Max. input power (kW)	7.5	9
MPPT tracker/strings		1/1
MAX PV Input Voltage (V)		450
MPPT voltage range (V)		100~440
Max. input current (A)		32
Short circuit current (A)		37

Battery

Nominal voltage (V)	48	
Battery voltage range (V)	40~56	
Max. charging/discharging current(A)	100/100	
Battery type	Lithium /Lead-acid	
Charging strategy for Li-Ion battery	Self-adaption to BMS	

Off-grid output

Nominal output power (kW)	5	6
Nominal output voltage (Vac)	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

Nominal input voltage (Vac)	230	
Grid voltage input range (Vac)	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
Weights (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
Standby loss (W)	<15
Pollution degree	II
Topology	Non-isolated