



REVO residential energy storage inverters

Eco Hybrid inverter

KEY STRENGTHS

- Excellent load compatibility and strong grid adaptability.
- Parallel operation of up to 4 units.
- Compatible with three-phase applications.
- Large touchscreen for intuitive operation.
- 2× PV oversizing capability with low-noise operation.
- IP65 protection level, longer product design life.

Model	O6KL1D-Plus
PV input data	
Max. PV input power (kWp)	12
Max. DC-DC power (kWp)	9
No. of MPPT tracker	2
No. of strings per MPPT trackers	1 / 1
Max. PV input voltage (V)	500
MPPT voltage range (V)	100~430
Max. input current per MPPT (A)	16+16
Short circuit current per MPPT (A)	24+24

Model	O6KL1D-Plus
Battery data	
Rated voltage (Vdc)	48
Battery voltage range (V)	40~58
Max. charging/discharging current (A)	120 / 120
Battery type	Lithium-ion / Lead-acid
Battery charging strategy	Self-adaption to BMS
AC output data(back-up)	
Max. apparent output power (kVA)	6.6
Rated output power (kW)	6
Rated output voltage (V)	230
Output frequency (Hz)	50 / 60
AC output rated current (A)	26
Max. AC output current (A)	28.6
Max. output over current (A)	31.2
Power factor	1 (0.8 leading~0.8 lagging)
THDu	<3%
Switching time (ms)	10
AC input data(on-grid)	
Max. apparent input power (kVA)	6.6
Rated input voltage (V)	230
Grid voltage input range (V)	176~270
AC input rated current (A)	26
Max. AC input current (A)	28.6
Rated grid frequency (Hz)	50 / 60
THDi	<3%
Grid type	L+N+PE
Generator input data	
Max. apparent input power (kVA)	6.6
Max. AC input current (A)	28.6
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	97.4%
Operating temperature range (°C)	-25 ~+60
Relative humidity	5%-95%
Operating altitude (m)	0~2,000(> 2,000 power derating)
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
Standby loss (W)	<15
Pollution degree	II
Inverter topology	Non-isolated