

REVO

REVO residential Energy Storage
inverters

Single-phase ESS Hybrid inverter

Product Features:

Safe & reliable

UL 1741:2021, IEEE 1547.1, UL1699B, South Africa NRS097-2-1

Friendly & flexible

- Support multi-machine parallel connection single and 3 phase;
- Friendly color touchscreen LED display;
- App and cloud interface for remote monitoring inc remote control;
- Generator input and Auxiliary load (customizable by Soc);
- AC Coupling capabilities;
- Reactive power and Power factor control
- Grid Tied and Off grid operation, capable of grid exports;
- Direct BMS CAN integration with most leading battery brands;
- Energy Time of use programming;
- Remote Software upgrading;

Economical & efficient

- Support parallel connection single and 3 phase including current sharing control;
- 4 Individual MPPT inputs and up to 12Kw Max PV per unit;
- Support the diesel generator and the grid access at the same time;
- Integrated Wiring box for easy of installation;
- IP65/NEMA3 for ease of installation;



Technical specification:

Technical specification	REVO5KL	REVO6KL	REVO8KL	REVO10KL
Input (PV)				
Max. power(kW)	7.5	9	12	13
Max. DC voltage (V)		500		
MPPT voltage range(V)		120~500		
Max. input single MPPT(A) / Short Circuit (A)		12A/15A		
MPPT tracker/strings		4/1		
AC Input				
Grid Input - Max. Passthrough Current (A)		50A		
Ac Input voltage(V)		230 (single phase) / 400 (3 phase parallel)		
Frequency (Hz)		50 Hz		
Generator Input - Max. Passthrough Current (A)		50A		
AC output				
Rated output power(kVA)	5	6	8	10
Max. output current(A) / Passthrough (A)	24/50	28.8/50	38.3/50	47.8/50
Ac output voltage(V)		230 (single phase) / 400 (3 phase parallel)		
Frequency (Hz)		50		
PF		0.8lagging-0.8leading		
THDi		< 3%		
AC output topology		Single Phase / 3 Phase (Parallel)		
Battery				
Battery voltage range(V)		40~58		
Max. charging voltage(V)		58		
Max. charge/discharge current(A)	120/120	135/135	190/190	210/210
Battery type		Lithium /Lead-acid		
Communication interface		CAN/RS485		
EPS output				
Rated power(kVA)	5	6	8	10
Rated output voltage(V)		230 (single phase) / 400 (3 phase parallel)		
Rated output current(A)	24	28.8	38.3	47.8
Rated frequency(Hz)		50		
Automatic switching time(ms)		<20		
THDu		< 2%		
Overload capacity		125%,60S/150%,1S		
General data				
IEC Max. efficiency		≥98.2%		
UL North american efficiency		≥97.2%		
Ingress protection		IP65/NEMA 3R		
Noise emission(dB)	<25	<29	<29	<29
Operation temperature		-25℃ ~ 60℃		
Cooling		Natural		
Relative humidity		0 ~95% (non-condensing)		
Altitude		2,000m(>2,000 Derating)		
Dimensions W *D *H (mm)		430*220*710		
Weight(kg)		41		
Isolation transformer		No		
Self-consumption(W)		<3		
Display and communication				
Display		LCD, touch screen		
Interface:RS485/Wifi/4G/ CAN/DRM		Yes Wifi Included (Solarman)		
Safety standard		UL1741SA all options, UL1699B, CSA 22.2		
EMC		FCC Part 15, Class B		
On-grid		UL 1741:2021, IEEE 1547.1, UL1699B, South Africa NRS097-2-1		
Parallel configuration				
Single phase parallel		4PCS per phase - MAX 50 AMPS		
3 Phase parallel		2PCS per phase - 6PCS TOTAL / MAX 50 AMPS per phase		