

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 trackerstrings	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°C - 60°C			
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/IDRM	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			