

## REVO Residential Energy Storage Inverters

# Split-phase Inverter

Battery voltage: 48V

## Product Features:

### Safe & Reliable

- Passed UL 1741:2021, IEEE 1547.1, UL1699B, South Africa NRS097-2-1:2017 test certification;

### Friendly & Flexible

- Max. 3 pcs in parallel;
- Support multi-machine parallel mode sharing a battery pack;  
Single-machine load capacity 100A;

### Economical & Efficient

- Support parallel SOC equalization control and parallel current sharing control;
- Using split-phase topology and eliminating the transformers, to make the system efficiency higher;
- Support the diesel generator and the grid access at the same time;



# Technical Specification:

Technical specification	R5KLNA	R6KLNA	R8KLNA	R10KLNA
<b>PV string input</b>				
Max. power(kW)	7.5	9	12	13
Max. DC voltage (V)			500	
MPPT voltage range(V)			120~500	
Max.Input current of single MPPT(A)			14	
No. of MPPT trackers			4	
No. of strings per MPPT trackers			1	
<b>AC output</b>				
Rated output power(kVA)	5	6	8	10
Max. apparent Power (kVA)	5.5	6.6	8.8	11
Rated output current(A)	20.8	25	33.3	41.7
Ac output voltage(V)		120/240(split phase),240 (single phase)		
Frequency (Hz)			50/60	
PF			0.8lagging-0.8leading	
THDi			<3%	
AC output topology			Split phase, single phase	
<b>Battery</b>				
Battery voltage range(V)			40~58	
Max. charging voltage(V)			58	
Max. charge/discharge current(A)	120/120	135/135	190/190	190/210
Battery type			lithium /Lead-acid	
Communication interface			CAN/RS485	
<b>EPS output</b>				
Rated power(kVA)	5	6	8	10
Rated output voltage(V)		120/240 (split phase),240 (single phase)		
Rated output current(A)	20.8	25	33.3	41.7
Rated frequency(Hz)			50/60	
Automatic switchover time(ms)			<20	
THDu			<2%	
Overload capacity			125%,60S /150%,1S	
<b>General data</b>				
Max. efficiency			≥98.2%	
CEC efficiency			≥97.2%	
Ingress protection			IP65/NEMA 3R	
Noise emission(dB)	<25	<29	<29	<29
Operation temperature (°C)			-25 ~ 60 (>45 Derating)	
Cooling			Forced air	
Relative humidity			0 ~95% (non-condensing)	
Operation altitude (m)			2,000 (>2,000 Derating)	
Dimensions W *D *H (mm)			460*225*760	
Net weight (kg)			41	
Topology			Non-isolated	
Self-consumption at night (W)			<25	
<b>Display and communication</b>				
Display			LCD/ touch screen	
Interface:RS485/Wifi/4G/ CAN/Bluetooth			Yes	
Safety standard			UL1741, CSA C22.2 No. 107.1:16,UL1998	
EMC			FCC Part 15, Class B	
On-grid			IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SA, UL1741 SB	
DC ARC-Fault			UL1699B	