

# Split-phase hybrid inverter (battery low voltage)



## KEY STRENGTHS

- Max. 3 pcs in parallel.
- Support Diesel generator connection.
- Support parallel to 3 phase voltage function (120/240V or 208/400V).
- Support rapid shutdown function.
- UL certified, CEC listed, SUNSPEC listed, UL1741SB and UL1741SA listed.
- 4 MPPT Trackers, support 4 PV inputs.

## APPLICATIONS

- » Luxury villa    » Residential nomadic farm electricity    » Nomadic farm    » Communication base station

### PV string input

Model	R5KLNA	R6KLNA	R8KLNA	R10KLNA
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			

### AC output

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	< 2%			
AC output topology	Split phase,2/3 phase,single phase			

### Battery

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			

### EPS output

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)	< 10			
THDu	< 2%			
Overload capacity	110%/60s, 120%/30s, 150%/10s			

### General data

MPPT Efficiency	99.9%
CEC efficiency	96.5%
Ingress protection	IP65/Type 3R
Operation temperature (°C)	-25 ~ 60 (>45 Derating)
Noise emission(dB)	<38
Cooling	Forced air
Relative humidity	0 ~95% (non-condensing)
Operating altitude	2,000m(>2,000 Derating)
Dimensions W *D *H (mm)	460*225*760
Net weight (kg)	41
Topology	Non-isolated
Self-consumption at night (W)	<25

### Display and communication

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 Standards	IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SA, UL1741 SB
DC ARC-Fault	UL1699B