

Residential Inverters Series

Three-MPPT, Single-Phase



Technical Data	CL-RI-5000W	CL-RI-10000W
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PV String Input Data

Max. DC Input Power (Wp)	10000	13500
Max. DC Input Voltage (V)	600	600
MPPT Range (V)	80~550	80~550
Start-up Voltage (V)	80	80
Min. Feed-in Voltage(V)	120	120
Nominal DC Input Voltage (V)	360	360
Max. Input Current (A)	12.5/12.5/12.5	12.5/12.5/12.5
Max. Short Current (A)	15/15/15	15/15/15
No. of MPP Trackers	3	3
No. of Input Strings per Tracker	1/1/1	1/1/1

AC Output Data

Nominal Output Power (W)	5000	10000
Max. Output Apparent Power (VA)	5500	10000
Nominal Output Voltage (V)	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60
Max. Output Current (A)	25	45.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)	<3%	<3%

Efficiency

Max. Efficiency	97.7%	97.7%
European Efficiency	97.3%	97.3%

Protection

Anti-islanding Protection	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated
Output Short Protection	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated
DC SPD Protection	Type II	
AC SPD Protection	Type III (Type II optional)	

General Data

Operating Temperature Range (°C)	-25~60	-25~60
Relative Humidity	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000
Cooling	Natural Convection	
User Interface	LCD & LED	LCD & LED
Communication	RS485; WiFi/LAN (Optional)	
Weight (kg)	22.5	22.5
Size (Width*Height*Depth mm)	511*415*175	511*415*175
Protection Degree	IP65	IP65
Night Self Consumption (W)	<1	<1
Topology	Transformerless	