

RSI-LF Series 3PH Low Frequency off/on Grid Solar Inverter

Feature:

- Rated power 9KW to 12KW
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc.)
- Built-in MPPT 180A solar charge controller (optional)
- MPPT Efficiency max 98%
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: basic Grid-tie, Off-Grid, Grid-Interactive
- Support CAN, RS485 monitoring function with free CD
- WIFI/ GPRS remote monitoring (optional)
- Compatible to generator



SPECIFICATION

MODEL		RSI-9K-LF-48V -3PH	RSI-12K-LF-48V -3PH
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated Power	9000W	12000W
	Surge Rating (20ms)	27000W	36000W
	Waveform	Pure sine wave	
	AC Voltage Regulation(Batt. Mode)	230 VAC (P-N) / 400 VAC (P-P)	
	Inverter Efficiency(Peak)	>93%	
	Rate of wave distortion THD (Linearity loads)	Off grid≤2% ; Grid discharge ≤3% ; Grid charge ≤3%	
	Power factor	0.9 lead - 0.9 lag	
	Overload capability	100% < load≤110%,30 minutes; 110% < load≤125%,1 minutes; 125% < load≤150%,30 seconds; load > 150%,10 seconds; Short circuit,5 seconds	
AC INPUT	AC input maximum current	26.0A per phase	34.8A per phase
	Nominal frequency	50Hz / 60Hz	
	Acceptable input voltage range	Defaults 186Vac ~253Vac per phase; Narrow 174Vac ~272Vac per phase; Wide 95Vac ~272Vac per phase	
BATTERY	Nominal Voltage	48VDC	
	Low Voltage Protection Point	Charger 34.0VDC ; Inverter 40.0VDC	
	Absorption Voltage	50.0VDC	
	Refloat Voltage	54.8VDC	
	Float Voltage	57.2VDC	
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC	
	Max Solar Charging Current	60A per phase	
	Max AC Charging Current	60A per phase	80A per phase
	Max Charging Current	1440W/1920W	2880W/3840W
MECHANICAL SPECIFICATIONS	Mounting	Vertical	
	Machine Dimensions (W*H*D)	391*836*555	
	Net Weight (kg)	133	140
	Shipping Dimensions(W*H*D)	410*850*570	
	Gross Weight (kg)	138	160
OTHER	Communications	RS485/CAN bus	
	Operation Temperature Range	-25°C~+50°C	
	Humidity	0 – 90% relative humidity(non-condensing)	

*Product specifications are subject to change without further notice.