

## RSI-HF-HY Series High Frequency Hybrid Solar Inverter On/Off Grid

### Feature:

- Rated Power 2KW-5.5KW
- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Multiple communication for USB, RS-485, Modbus
- Monitoring software & Wifi Kit for real-time status display and control
- Parallel operation up to 3 units



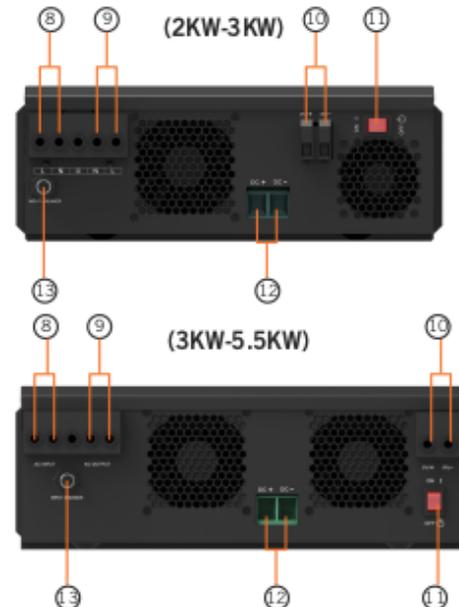
### Introduction:

RSI-HF-HY series hybrid solar inverter, it can realize self-consumption and feed-in to the grid from solar energy with best solution according to your setting. During the daytime solar power can run your home appliances and if there is extra solar power it will feed-in to the grid or you can choose to save them on the battery to backup when power failure or nighttime.

### Back Panel and Display Information



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. RS-485 Communication port
7. USB



8. AC Input
9. AC Output
10. PV Input
11. Power On/Off Switch
12. Battery Input
13. Circuit breaker

## SPECIFICATION

MODEL		RSI-2K-HF-HY-24V	RSI-3K-HF-HY-24V	RSI-3K-HF-HY-48V	RSI-4K-HF-HY-48V	RSI-5K-HF-HY-48V	RSI-5.5K-HF-HY-48V
Nominal Battery System Voltage		24VDC			48VDC		
INVERTER OUTPUT	Rated Power	2000W	3000W	3000W	4000W	5000W	5500W
	Surge Power	4000W	6000W	6000W	8000W	10000W	11000W
	Waveform	Pure sine wave					
	AC Voltage Regulation(Batt. Mode)	220VAC~240VAC (setting)					
	Electric Current	8.7A	13A		17.4A	21.7A	23.9A
	Inverter Efficiency(Peak)	>93%					
	Typical Transfer Time	10ms (For Personal Computers) 20ms (For Personal Appliance)					
AC INPUT	Voltage	230VAC					
	Selectable Voltage Range	170~280VAC (For Personal Computers) or 90~280VAC (For Personal Appliance) or 184~253VAC(VDE4105)					
	Frequency Range	50Hz/60Hz (Auto sensing)					
BATTERY	Nominal Voltage	24VDC			48VDC		
	Floating Charge Voltage	27.4VDC			54.8VDC		
	Overcharge Protection	31VDC			60VDC		
SOLAR CHARGE & AC CHARGE	Maximum PV Array Open Circuit Voltage	145VDC					
	PV Array MPPT Voltage Range	30~130VDC			64~130VDC		
	Standard Power Consumption	2W					
	Maximum PV Array Power	2000W			4000W		
	Maximum Solar Charge Current	80A					
	Maximum Efficiency	98%					
	Maximum AC Charge Current	60A					
Maximum Charge Current	140A						
MECHANICAL	Machine Dimensions (W*H*D)	272*355*100 mm			297.5*468*125 mm		
	Net Weight (kg)	7.4			14		
SPECIFICATIONS	Shipping Dimensions(W*H*D)	485*393*251			638*395*241		
	Gross Weight (kg)	9.5			16.4		
OTHER	Operation Temperature Range	0°C to 55°C					
	Storage Temperature	-15°C to 60°C					
	Humidity	5% to 95% Relative Humidity (Non-Condensing)					

\*Product specifications are subject to change without further notice.