

## RSI-LF-SP Series Low Frequency Pure Sine Wave Split Phase Inverter

### Feature:

- Pure sine wave output, split phase HOT1+ N + HOT2 available, 120VAC/220VAC
- MFD (multi-function display) & Friendly user interface
- 3 Steps optimizing charge for battery pack
- Overload and short-circuit protection
- Settable: charging/charging current, utility/Battery priority, utility input wide/narrow range
- Inverter voltage can be set to 100V/110V/120V
- Inverter frequency can be set to 50/60Hz



Model	RI-1K-LF -SP-12V	RI-1K-LF -SP-24V	RI-1.5K -LF-SP-12V	RI-1.5K -LF-SP-24V	RI-2K-LF -SP-12V	RI-2K-LF -SP-24V	RI-3K-LF -SP-24V	RI-3K-LF -SP-48V	RI-4K-LF -SP-24V	RI-4K-LF -SP-48V	RI-K-LF -SP-48V	RI-6K-LF -SP-48V
<b>Inverter Output</b>												
Rated power(W)	1KW		1.5KW		2KW		3KW		4KW		5KW	6KW
Power Factor	1											
Wave form	Pure sine wave/ Same as input waveform (bypass mode)											
Output voltage RMS	100V/110V/120VAC(200V/220V/240VAC)±10%											
Output frequency	50HZ or 60HZ (±0.3HZ) (can be set)											
Overload protection	Breaker + software protection											
Output short circuit	Breaker + software protection											
Inverter efficiency(peak)	>80%											
Overload	100%<Load<110% (alarm 5min then stop output and fault code 07); 110%<Load<125% (alarm 60s then stop output and fault code 07); Load>125% (alarm 10s then stop output and fault code 07)											
Surge rating	3000VA	4500VA	6000VA	6000VA	9000VA	12000VA	15000VA	18000VA				
Capable of starting motor	1P	1P	1.5P	1.5P	2P	3P						
<b>Battery</b>												
Battery voltage	12VDC/24VDC					24VDC/48VDC			48VDC			
Minimum start voltage	11VDC/22VDC/44VDC											
Low battery voltage cut off	(low voltage fault code04)10/10.5/11V for 12V model(*2 for 24VDC / *4 for 48VDC)											
Low battery voltage alarm	Add 0.5V/battery: (low battery alarm one second one time) (10/10.5/11V) + 0.5Vdc for 12V model(*2 for 24VDC / *4 for 48VDC)											
High battery voltage alarm	Add +1V/battery: (high voltage one second one time/after 30s fault 03) (13.8-14.5V) + 1V for 12V model(*2 for 24VDC / *4 for 48VDC)											
Save mode	Load≤40W(110V)/80W(220V)											
<b>AC Input Mode</b>												
Input waveform	Pure sine wave											
Nominal input voltage	220Vac / 230Vac / 240Vac											
Max input voltage	270Vac MAX											
Input frequency	50HZ/60HZ (auto sensing)											
Efficiency(AC mode)	>95% (load, full battery)											
Transfer time AC TO DC	15ms(max)											
Transfer time DC TO AC	15ms(max)											
<b>Charge Mode</b>												
Boost Voltage	14.1V(Default) Range of adjustment 13.8-14.5V/*2 for 24VDC/*4 for 48VDC (Regulation step 0.1V)											
Float Voltage	13.5V(default) Range of adjustment 13.5-13.7V/*2 for 24VDC/*4 for 48VDC (Regulation step 0.1V)											
12V	30A	45A	60A									
24V	20A	25A	30A	40A	60A							
48V					20A	30A	35A	40A				
Min charge current 10A. change by every 5A.												
<b>Dimensions</b>												
Dimensions (W*H*D)	277*196*466mm						277*186*621mm					

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