

## Three Phase Photovoltaic Inverter

Photovoltaic inverter is a device that converts direct current (DC) generated by photovoltaic solar panels into alternating current (AC), and is one of the core components of photovoltaic power generation systems.



### Product Core Highlights



Maximum efficiency of 98.5%



Adaptive complex power grid



MPPT current of 32A, suitable for high-power components



Intelligent remote monitoring and maintenance to improve operational efficiency



IP66 high protection level



Support anti backflow control

Product Model	RSI-10K3P	RSI-12K3P	RSI-13K3P	RSI-15K3P	RSI-17K3P	RSI-20K3P	RSI-23K3P	RSI-25K3P
<b>DC input</b>								
Maximum allowable input power	12kW	14.5kW	15.6kW	18kW	20.4kW	24kW	27.6kW	30kW
Maximum input voltage	1000V							
Rated input voltage	600V							
Starting voltage	180V							
MPPT voltage range	16-900V							
Maximum input current	16A/16A							
Maximum short circuit current	25A/25A							
Number of MPPT/maximum number of PV string	2/2							
<b>Alternating current output</b>								
Rated output power	10kW	12kW	13kW	15kW	17kW	20kW	23kW	25kW
Maximum apparent power	11kVA	13.2kVA	14.3kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Maximum active power	11kVA	13.2kVA	14.3kVA	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated output current	15.2A	18.2A	19.8A	22.8A	25.8A	30.4A	34.9A	38.0A
Maximum output current	16.7A	20.1A	21.7A	25.1A	28.4A	33.5A	38.4A	41.8A
Rated grid voltage	3L/N/PE, 220/380V							
Rated grid frequency	50Hz							
Power factor	> 0.99 ( 0.8 leading ~ 0.8 lagging )							
Total voltage harmonic distortion	<3% rated power							
<b>Efficiency</b>								
Maximum efficiency	98.30%		98.40%		98.50%			
Efficiency in China	97.60%		97.70%		97.90%			
<b>Protect</b>								
Input DC switch	have							
Anti-island protection	have							
Output overcurrent protection	have							
Output short circuit protection	have							
DC reverse connection protection	have							
Protection against surge	have							
Insulation impedance detection	have							
Temperature protection	have							
DC arc fault protection	have							
<b>Basic parameters</b>								
Dimensions (W * H * T)	406mmx468mmx198mm							
Weight	20kg				22kg			
Protection class	IP66							
Mode of isolation	Without transformer							
Self-consumption at night	< 1W							
Cooling mode	Natural cooling				Intelligent redundant air cooling			
Operating temperature/humidity	-25~+60℃/0~100%							
Maximum altitude above sea level	3000m							
Grid connection standard	NB/T 32004							
Safety Regulations/EMC Standards	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4, NB/T 32004							
<b>Display &amp; Communication</b>								
Display	Bluetooth & LED indicator, LCD display (optional)							
Mode of communication	RS485, WIFI (optional), GPRS (optional)							