

RSI-HF-ON Series High Frequency On Grid Solar Inverter

Feature:

- High Frequency On Grid Transformerless pure sin wave
- Solar Inverter
- MPPT Efficiency up to 99.5%
- Euro-efficiency up to 97%
- Full protection function: over-voltage, over-frequency, over-current, over-temperature, and AC short-circuit automatic protection
- Multiple communications: WIFI, USB, etc.
- Monitoring inverters freely via mobile phones APP
- Fanless low-noisy design
- IP65 Dust-Proof and Water-Proof



SPECIFICATION

MODEL		RSI -3K-HF-ON	RSI -3.6K-HF-ON	RSI -4.2K-HF-ON	RSI -4.6K-HF-ON	RSI -5K-HF-ON	RSI -6K-HF-ON
Rated Power(W)		3000	3600	4200	4600	5000	6000
PV	Maximum Recommended DC power (W)	3450	4100	4800	5300	5750	7000
	Nominal DC Operating Voltage (V)	360					
	Maximum DC Voltage	550					
	MPPT voltage range (V)	100-550					
INPUT (AC)	Maximum Input Current (A)	11					11/11
	Maximum Short Circuit Current (A)	15					15/15
	No.of MPP tracker	1					2
	Strings per MPP tracker	1					
INVERTER OUTPUT (AC)	Nominal AC Output Power (W)	3000	3600	4200	4600	5000	6000
	Nominal Output Voltage (V); range(V)	220/230/240;180-280					
	AC grid frequency (Hz); range (Hz)	50/60;45-55/55-65					
	Nominal Output Current (A)	13.1	15.7	18.3	20	21.7	26.1
	Maximum Output Current (A)	13.7	16.4	19.1	21	22.8	27.3
	Total Harmonic distortion (THDi)	<3%					
	Power Factor at Rated Power	1					
Displacement Power Factor	/	0. Bleeding-O. Blagging					
EFFICIENCY	Maximum efficiency	97.4%					
	Euro-efficiency	97					
	MPPT Efficiency	99.5%					
	Standard losses (W)	<1					
PROTECTION DEVICES GENERAL	DC switch rating for each MPPT	Yes					
	Grid monitoring	Yes					
	Output over current protection	Yes					
	Output overvoltage protection-varistor	Yes					
	Grund fault monitoring	Yes					
	Integrated all-pole sensitive leakage current	Yes					
	Dimensions (W*H*D)	259*340*138	355*412*153	355*412*153	355*412*173	355*412*173	355*412*210
	Net Weight (kg)	9.5	14	14	14.5	14.5	15
	DC connection	H4/MC4					
	AC connection	connection					
	Display	LED					
	Communication interfaces	WI-FI/USB					
	Ingress protection rating	IP65					
	Operating Temperature Range	-15°C to 60°C with derating above 45°C					
Attitude	<2000m						
Cooling concept	Natural						
Humidity	100%						

*Product specifications are subject to change without further notice.