

Technical Data

R5-3K/3.6K/4K/5K/6K/7K/8K-S2

Type	R5-3K-S2	R5-3.6K-S2	R5-4K-S2	R5-5K-S2	R5-6K-S2
Input (DC)					
Max.PV Array Power [Wp] @ STC	4500	5400	6000	7500	9000
Max. DC Voltage [V]				600	
MPPT Voltage Range [V]				90-550	
Nominal DC Voltage [V]				360	
Start Voltage [V]				100	
Min. DC Voltage[V]				80	
Max. DC Input Current PV1/PV2 [A]			12.5/12.5		
Number of DC Connection Sets Per MPPT			1/1		
Number of MPPT				2	
Output [AC]					
Rated AC Power [W]	3000	3680	4000	4999	6000
Max. AC Power [VA]	3300	3680	4400	5000	6000
Rated AC Current [A]	13.1	16.0	17.4	21.7	26.1
Max. AC Current [A]	14.4	16.0	19.2	21.7	26.1
Nominal AC Voltage/ Range [V]				220,230,240/180-280	
Grid Frequency/ Range [Hz]				50,60/45-55,55-65	
Power Factor [cos φ]				0.8 leading~0.8 lagging	
Total Harmonic Distortion [THDi]				< 2%(at nominal power)	
Feed-in				L+N+PE	
Efficiency					
Max. Efficiency	97.8%	98.0%	98.0%	98.1%	98.2%
Euro Efficiency	97.2%	97.5%	97.5%	97.6%	97.6%
MPPT Accuracy				>99.5%	
Protection					
Internal Over-voltage Protection				Integrated	
DC Insulation Monitoring				Integrated	
DCI Monitoring				Integrated	
GFCI Monitoring				Integrated	
Grid Monitoring				Integrated	
AC Short Circuit Current Protection				Integrated	
AC Grounding detection				Integrated	
DC Surge Protection				Integrated	
AC Surge Protection				Integrated	
Thermal Protection				Integrated	
Anti-island Protection Monitoring				AFD	
Interface					
DC Connection				MC4	
AC Connection				Plug-in connector	
Human Machine Interface				LED + (bluetooth/Wi-Fi+APP)	
Communication Port				RS232(USB joints)+RS485(RJ45 crystal joints)	
Communication Mode				Wi-Fi / GPRS / 4G(Optional)	