

# R5 SERIES

## SINGLE PHASE INVERTER



R5-3K-S2-15 | R5-3.6K-S2-15 | R5-4K-S2-15  
R5-5K-S2-15 | R5-5K-S2-15-B | R5-6K-S2-15  
R5-6K-S2-15-IE | R5-7K-S2-15 | R5-8K-S2-15



Lightning protection, High precision leakage monitoring



Low standby consumption  
High efficiency, high yield



APP connection  
All data at real time



Remote maintenance  
Remote configuration



Quiet generation  
No noise pollution



Intelligent & grid-friendly  
Active response to grid dispatch



MODEL	R5-3K-S2-15	R5-3.6K-S2-15	R5-4K-S2-15	R5-5K-S2-15	R5-5K-S2-15-B	R5-6K-S2-15	R5-6K-S2-15-IE	R5-7K-S2-15	R5-8K-S2-15
<b>DC Input</b>									
Max.PV Array Power [Wp]@STC	4500	5520	6000	7500	7500	9000	9000	10500	12000
Max.DC Voltage [V]	600								
MPPT Voltage Range [V]	90-550								
Rated DC Voltage [V]	360								
Start Voltage [V]	100								
Min.DC Voltage [V]	80								
Max.DC Input Current [A]	15/15						30/15		
Max.DC Short Circuit Current [A]	18/18						36/18		
No.of Strings per MPPT	1/1						2/1		
No.of MPPT	2								
DC Switch	Integrated								
<b>AC Output</b>									
Rated AC Power [W]	3000	3680	4000	5000	5000	6000	5500	7000	8000
Max.Apparent Power[VA]	3300	3680	4400	5500	5000	6000	5500	7700	8000
Rated Output Current [A]@230Vac	13.1	16.0	17.4	21.8	21.8	26.1	25.0	30.5	34.8
Max.Output Current [A]	14.4	16.0	19.2	23.9	21.8	26.1	25.0	33.5	34.8
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180~280								
Rated Output Frequency/Range [Hz]	50,60/45~55,55~65								
Power Factor [cos φ]	0.8 leading~0.8 lagging								
Total Harmonic Distortion [THDi]	<3%								
<b>Efficiency</b>									
Max. Efficiency	97.8%	98.0%	98.0%	98.1%	98.1%	98.2%	98.2%	98.2%	98.3%
Euro Efficiency	97.2%	97.5%	97.5%	97.6%	97.6%	97.6%	97.6%	97.7%	97.8%
MPPT Efficiency	>99.9%								
<b>Protection</b>									
Internal Overvoltage Protection	Integrated								
DC Insulation Resistance Detection	Integrated								
Grid Monitoring	Integrated								
GFCI Monitoring	Integrated								
DCI Monitoring	Integrated								
AC Short Circuit Current Protection	Integrated								
AC Grounding Detection	Integrated								
DC Surge Protection	Integrated								
AC Surge Protection	Integrated								
Anti-islanding Protection	Integrated								
<b>Interface</b>									
DC Connection	MC4/H4								
AC Connection	Plug-in Connector						Terminal Block		
Display	LED+APP								
Communication Port	RS232(USB)+RS485(RJ45)+DRM								
Communication	Wi-Fi/Ethernet/4G(Optional)								
<b>General Parameters</b>									
Topology	Non-isolated								
Consumption at Night [W]	<1								
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)								
Cooling Method	Natural Convection								
Ambient Humidity	0-100% Non-condensing								
Altitude	4000m (>3000m Power Derating)								
Noise [dBA]	<25								
Ingress Protection	IP65								
Mounting	Wall Mounting								
Dimensions [H*W*D] [mm]	389*367*143						429*418*177		
Weight [kg]	12.2						18		
Warranty [Year]	5/10/15/20								
Applicable Standard	EN 62109-1/2, EN 61000-6-1/2/3/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI O-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1								