

R5 SERIES

SINGLE PHASE INVERTER



R5-6K-S2-15-IE



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	R5-6K-S2-15-IE
DC Input	
Max.PV Array Power [Wp]@STC	9000
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
Max.DC Short Circuit Current [A]	18/18
No.of Strings per MPPT	1/1
No.of MPPT	2
DC Switch	Integrated
AC Output	
Rated AC Power [W]	5500
Max.Apparent Power*1[VA]	5500
Rated Output Current [A]@230Vac	25.0
Max.Output Current [A]	25.0
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%
Efficiency	
Max. Efficiency	98.2%
Euro Efficiency	97.6%
MPPT Efficiency	>99.9%
Protection	
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
Interface	
DC Connection	MC4/H4
AC Connection	Plug-in Connector
Display	LED+APP
Communication Port	RS232(USB)+RS485(RJ45)+DRM
Communication	Wi-Fi/Ethernet/4G(Optional)
General Parameters	
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
Weight [kg]	12.2
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