

# R1 Baby Series

( SINGLE PHASE ON-GRID INVERTER )

R1-1K1-SS/R1-1K6-SS/R1-2K2-SS/R1-2K7-SS/R1-3K3-SS/R1-3K7-SS



Model	R1-1K1-SS	R1-1K6-SS	R1-2K2-SS	R1-2K7-SS	R1-3K3-SS	R1-3K7-SS
<b>DC Input Data</b>						
Max. Recommended PV Power	1300 W	1900 W	2600 W	3250 W	3900 W	4800 W
Maximum DC Input Voltage	500 V			550 V		
MPPT Voltage Range	50 ~ 500 V			50 ~ 550 V		
Start-up Voltage	70 V					
No. of MPP Trackers	1					
No. of Input Strings per Tracker	1					
Max. DC Input Current	12.5 A					
DC Switch	Optional					
<b>AC Output Data</b>						
Rated AC Power	1100 W	1600 W	2200 W	2700 W	3300 W	3680 W
Max.output Power	1100 VA	1600 VA	2200 VA	2700 VA	3300 VA	3680 VA
Maximum Output Current	4.8 A	7.2 A	9.6 A	12 A	14.4 A	16 A
Rated AC Voltage/Range	220V/230V; 160-290V					
Grid Frequency/Range	50Hz/60Hz ; ±5Hz					
Ajustable Power Factor[cos φ]	0.8leading ~0.8lagging					
Output THDi(@Rated Output)	≤2%					
<b>Efficiency</b>						
Max.Efficiency	97.0%	97.1%	97.1%	97.3%	97.3%	97.3%
Euro Efficiency	96.5%	96.6%	96.6%	96.8%	96.8%	96.8%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Protection</b>						
DC Insulation Monitoring	Integrated					
Input Reverse Polarity Protection	Integrated					
Anti-island Protection	Integrated					
Residual Current Monitoring	Integrated					
Over-heat Protection	Integrated					
AC Overcurrent Protection	Integrated					
AC Short-circuit Protection	Integrated					
AC Overvoltage Protection	Integrated					
DC Surge Protection	Integrated(Type III)					
AC Surge Protection	Integrated(Type III)					
<b>General Data</b>						
Size(W×H×D)	295*260*115 mm					335*260*120mm
Weight	6.8 kg	6.8 kg	6.8 kg	6.8 kg	6.8 kg	7.5 kg
User Interface	LCD					
Communication	RS485 or WIFI or GPRS					
Ambient Temperature Range	-25 °C ~ 60 °C					
Relative Humidity	0~100%					
Operating Altitude	≤4000m					
Standby Self Consumption	<0.2W					
Topology	Transformerless					
Cooling	Natural Convection					
Protection Grades	IP65					
Noise	< 30 dB					
Warranty	5 /7/10 years					
Certifications	VDE-AR-N-4105, VDE 0126-1-1, G98, EN50549, PEA, AS4777 ,CEI0-21,IEC61727,IEC62116,IEC60068,IEC61683 IEC 62109-1, IEC 62109-2 EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29					