



# R1 Kiddy Series

( SINGLE PHASE ON-GRID INVERTER )

NAC4K-DS/NAC5K-DS/NAC6K-DS/NAC7K-DS/NAC8K-DS

Model	NAC4K-DS	NAC5K-DS	NAC6K-DS	NAC7K-DS	NAC8K-DS
<b>DC Input Data</b>					
Max. Recommended PV Power	5200 W	6500 W	7800 W	9100 W	10400 W
Maximum DC Input Voltage	600 V				
MPPT Voltage Range	100 ~ 550 V				
Start-up Voltage	120 V				
No. of MPP Trackers	2				
No. of Input Strings Per Tracker	1/1			2/1	
Max. DC Input Current	10 A / 10 A	10 A / 10 A	10 A / 10 A	20 A / 10 A	20 A / 10 A
DC Switch	Optional				
<b>AC Output Data</b>					
Rated AC Power	4000 W	5000 W	6000 W	7000 W	8000 W
Max.output Power	4400 VA	5500 VA	6600 VA	7700 VA	8000 VA
Maximum Output Current	19.2 A	24 A	28.7 A	33.5 A	34.8 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	97.8%	97.8%	97.8%	98.1%	98.1%
Euro Efficiency	97.2%	97.2%	97.2%	97.5%	97.5%
MPPT Efficiency	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)	395*330*185 mm				
Weight	14 kg	15 kg	15 kg	16 kg	16 kg
User Interface	LCD				
Communication	RS485(Standard), 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				