



# R3 Micro Series

( THREE PHASE ON-GRID INVERTER )

R3-4K-DT/R3-5K-DT/R3-6K-DT/R3-8K-DT/R3-10K-DT/R3-12K-DT/R3-15K-DT

Model	R3-4K-DT	R3-5K-DT	R3-6K-DT	R3-8K-DT	R3-10K-DT	R3-12K-DT	R3-15K-DT
<b>DC Input Data</b>							
Max. Recommended PV Power	5200 W	6500 W	7800 W	10400 W	13000 W	15600 W	19500 W
Maximum DC Input Voltage	1000 V						
MPPT Voltage Range	160 ~ 950 V			250 ~ 950 V			
Start-up Voltage	160 V			200 V			
No. of MPP Trackers	2						
No. of Input Strings Per Tracker	1/1						2/1
Max. DC Input Current	12.5 A /12.5 A						20A /12.5 A
DC Switch	Integrated						
<b>AC Output Data</b>							
Rated AC Power	4000 W	5000 W	6000 W	8000 W	10000 W	12000 W	15000 W
Max.output Power	4400 VA	5500 VA	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Maximum Output Current	6.4 A	8 A	9.6 A	12.8 A	16.0 A	19.2 A	24.0 A
Rated AC Voltage/Range	3/PE 380, 400;+/-10%; 3/N/PE 380, 400;+/-10%;						
Grid Frequency/Range	50Hz/60Hz ; ±5Hz						
Ajustable Power Factor[cos φ]	0.8leading ~0.8lagging						
Output THDi(@Rated Output)	<3%						
<b>Efficiency</b>							
Max.Efficiency	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.6%	97.6%	97.6%	97.6%	97.8%	97.8%	97.8%
MPPT Efficiency	99.9%	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)	455*390*160 mm			455*390*175 mm			455*390*190 mm
Weight	16.3 kg	16.3 kg	16.3 kg	18.3 kg	18.3 kg	18.3 kg	21.6 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						