



R3 Pro Series

(THREE PHASE ON-GRID INVERTER)

NAC20K-DT/NAC25K-DT/NAC30K-DT/NAC33K-DT

Model	NAC20K-DT	NAC25K-DT	NAC30K-DT	NAC33K-DT
DC Input Data				
Max. Recommended PV Power	26000 W	32500 W	39000 W	42900 W
Maximum DC Input Voltage	1000 V			
MPPT Voltage Range	250 ~ 950 V			
Start-up voltage	350 V			
No. of MPP Trackers	2			
No. of Input Strings Per Tracker	2/2	2/3	3/3	3/3
Max. DC Input Current	20 A / 20 A	20 A / 30 A	30 A / 30 A	30 A / 30 A
DC Switch	Integrated			
AC Output Data				
Rated AC Power	20000 W	25000 W	30000 W	33000 W
Max.output Power	22000 VA	27600 VA	30000 VA	33000 VA
Maximum Output Current	32 A	40 A	43 A	48 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%			
Efficiency				
Max.Efficiency	98.3%	98.4%	98.5%	98.5%
Euro Efficiency	98.0%	98.1%	98.2%	98.2%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
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 II)			
AC Surge Protection	Integrated(Type II)			
General Data				
Size(W×H×D)	660*460*255 mm			
Weight	38 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	Natural Convection	Natural Convection	Fan Cooling
Protection Grades	IP65			
Noise	< 35 dB			
Warranty	5 /7/10 years			
Certifications	VDE-AR-N-4105, VDE 0126-1-1, G98, EN50549, PEA, AS4777 ,CE10-21,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			