



R3 Micro Series (THREE PHASE GRID ON)

NAC6K-DT/NAC8K-DT/NAC10K-DT/NAC12K-DT/NAC15K-DT

Model	NAC6K-DT	NAC8K-DT	NAC10K-DT	NAC12K-DT	NAC15K-DT
Rated AC power	6000 W	8000 W	10000 W	12000 W	15000 W
Maximum AC power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Input					
Maximum input power	7200 W	9600 W	12000 W	14000 W	18000 W
Maximum DC input voltage	1000 V				
MPPT operating voltage range	250 ~ 950 V				
Startup voltage	250 V				
Min. DC Voltage	200 V				
Number of MPPT	1	2			
Maximum input current	12.5 A	12.5 A/12.5A	12.5 A/12.5A	12.5 A/12.5A	20 A/12.5A
No. of Input Strings per Tracker	1	1 / 1	1 / 1	1 / 1	2 / 1
DC terminal type	MC4				
Output					
Rated output current	8.7 A	11.6 A	14.5 A	17.4 A	21.8 A
Maximum output current	9.6 A	12.8 A	16.0 A	19.2 A	24.0 A
Rated power grid voltage	400V/320-480V; 3+N+PE,3+PE				
Grid frequency/ range	50 Hz / 60 Hz 45 ~ 55 Hz / 55 ~ 65 Hz				
AC voltage Range	320 ~ 480 V (May vary as per corresponding country's grid standard)				
power factor	0.8leading ~0.8lagging (full load)				
THDi	< 3%				
Efficiency					
Maximum efficiency	98.3%	98.3%	98.3%	98.3%	98.3%
European efficiency	97.6%	97.6%	97.8%	97.8%	97.8%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protect					
DC Switch	Integrated				
Insulation monitoring	Integrated				
DC reverse-polarity protection	Integrated				
AC over current protection	Integrated				
Anti-Islanding protection	Integrated				
Residual current detection	Integrated				
SPD	MOV UL: E327997/CSA: 246579/VDE: 40027827				
General Parameters					
Dimensions(W×H×D)	455 x 390 x 190 mm				
Weight	16 kg	16 kg	18 kg	18 kg	21 kg
Installation method	Wall mounted installation				
Display	3.5 inches character LCD				
Communication	RS485(optional)/WiFi (optional)/GPRS(optional)				
Ambient temperature range	-25 °C ~ 60 °C				
Relative humidity	0~98%(no condensation)				
Operating altitude	≤4000m				
Standby Self Consumption	< 0.2 W				
Topology	transformerless				
Heat dissipation	Natural	Natural	Natural	Fan	Fan
Protection degree	IP65				
Noise emission	< 30 dB				
Warranty	Standard 5 years 10/15/20/25 years extension optional				
Certifications	IEC 62109-1, IEC 62109-2, EN 61000-2, EN 61000-3, AS/NZS 3100, 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, VDE-AR-N4105, VDE 0126-1-1+A1, CE, G83/2, UTE C15-712-1, MEA, PEA, AS4777, NB/T 32004-2013, IEC60068, IEC61683, IEC61727, IEC62116, EN50438				