



N2 Series Microinverter

N2-1200/1300/1400/1500/1600



SAFETY

Low DC 60V voltage, no arc risk



EFFICIENCY

High efficiency and DC input current



COMMUNICATION

MESH networking with wide coverage



SMART

Module-level smart real-time monitoring



FLEXIBILITY

Adapts to any system size and optimizes space



N2 Series Technical Specifications

Model	N2-1200	N2-1300	N2-1400	N2-1500	N2-1600
Input Data (DC)					
Recommended PV Module Power (STC) Range (Wp+)	300-670				
Max. Input Voltage (Vdc)	60				
Operating Voltage Range (Vdc)	16-60				
Start-up Voltage (Vdc)	22				
Max. Input Current I _{max} (A)	2*28				
Max. Input Short-circuit Current I _{sc} (A)	2*31				
Number of MPPTs	2				
Output Data (AC)					
Nominal Output Power (Wp)	1200	1300	1400	1500	1600
Nominal/Max. Apparent Power (VA)	1200/1200	1300/1300	1400/1400	1500/1500	1600/1600
Max. Active Power (Wp)	1200	1300	1400	1500	1600
Nominal Output Current (A/V)	5.45/220	5.91/220	6.36/220	6.82/220	7.27/220
	5.22/230	5.65/230	6.09/230	6.52/230	6.96/230
	5.00/240	5.42/240	5.83/240	6.25/240	6.67/240
Nominal Voltage/Range (V)	220/230/240				
Nominal Frequency/Range (Hz)	50/60				
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging				
THDi	<3%				
Efficiency					
Peak Efficiency	96.5%				
MPPT Efficiency	99.8%				
Night Power Consumption (mW)	<50				
Protection Function					
Ground Fault Monitoring, Output Overvoltage Protection, Output Overcurrent Protection, Anti-islanding Protection, Input Reverse Connection Protection, Surge Protection					
Features					
Active Power Regulation, Reactive Power Regulation, High Voltage Ride-through (Optional), Low Voltage Ride-through (Optional), Galvanically Isolated HF Transformer					
Others					
Dimensions (W*H*D, mm)	233*290*48				
Enclosure Material	ADC12 Aluminium Alloy				
Weight (kg)	4.5				
Operation Ambient Temperature (°C)	-40~65				
Noise (dB(A))	20				
Type of Isolation	Galvanically Isolated HF Transformer				
Enclosure Rating	IP67				
Cooling	Natural Convection (No Fans)				
Altitude (m)	≤2000				
Grid Compliances	IEC 61727, IEC 62116, PORTARIA N° 140				
Safety/EMC Compliances	IEC 62109-1/2, IEC 61000-6-1/2/3/4, IEC61000-3-2/3				
DC Connector Type	MC4				
Communication	Built-in WiFi				

*Design and specifications are subject to change without notice