

INVERTERS

NEO 600-1000M-X

Microinverter · Single-phase · 0.6 – 1 kW · 3 models


0.6 – 1 kW

RATED POWER

Single-phase

PHASE

2

MPPT TRACKERS

97.3 %

MAX. EFFICIENCY

Parameter	Unit	NEO 600M-X	NEO 800M-X	NEO 1000M-X
PV input				
Recommended PV module power	W	240 – 405	320 – 540	400 – 670
Max. PV input voltage	V	60		
Start-up voltage	V	16		
Nominal PV voltage range	V	16 – 60		
MPPT voltage range	V	28 – 60		
Number of MPPT trackers		2		
PV strings per MPPT		1		
Max. input current per MPPT	A	18		
Max. short-circuit current per MPPT	A	23		
AC output				
Rated output power	W	600	800	1000
Max. apparent power	VA	600	800	1000
Rated AC voltage	V	230		
Nominal AC voltage range	V	180 – 253		
Adjustable output voltage range	V	150 – 280		
Rated AC output current	A	2.61	3.48	4.35
Phase		Single-phase		
Rated AC frequency	Hz	50/60		
Adjustable output frequency range	Hz	45-55 / 55-65		
Power factor		0.8 leading to 0.8 lagging		
Total harmonic distortion (THDi)	%	<3		
Max. units per AC branch		8	6	4
Max. units per branch, 10 AWG cable		10	8	6

Parameter	Unit	NEO 600M-X	NEO 800M-X	NEO 1000M-X
Efficiency				
Max. efficiency	%	97.3		
MPPT efficiency	%	99.5		
Protection				
Protection functions		DC reverse polarity protection; AC surge protection (Type III); AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Insulation resistance monitoring; Rapid shutdown function		
General data				
Night-time power consumption	W	0.03		
Dimensions (W x H x D)	mm	270 × 252 × 41.5		
Weight	kg	3.1		
Operating temperature range	°C	−40 – 65		
Max. operating altitude	m	4000		
Topology		Isolated (high-frequency transformer)		
Cooling		Natural convection (no fans)		
Ingress protection (IP rating)		IP67		
Relative humidity	%	0 – 100		
DC connector		MC4 (LoRa version); MC4 and equivalent (WiFi version)		
AC connection		Plug and play		
Warranty	years	12		
Communication				
Display		LED + app		
Communication interfaces		LoRa (LoRa version); Wi-Fi (WiFi version)		
Certifications				
Certifications and standards		CE; IEC/EN 61000; INMETRO; ANATEL		
Grid codes		VDE-AR-N 4105; EN 50549-1; UNE 217002; NTS Type A; NTS Type C; C10/C11; CEI 0-21; G98; NI G98; IEC 61727; IEC 62116; Poland		

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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