NEO 600-1000M-X (LoRa)

- 2 independent MPP trackers
- Reactive power control
- Rapid shutdown function
- IP67 protection degree
- Support LoRa communication



POWER-ING TOMO-RROW

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Datasheet	NEO 600M-X (LoRa)	NEO 800M-X (LoRa)	NEO 1000M-X (LoRa)
Input data (DC)			
Recommended PV module power(STC) range	240W to 405W+	320W to 540W+	400W to 670W+
Max. DC voltage		60V	
Start voltage		16V	
Nominal voltage		16-60V	
MPP voltage range		28V-60V	
No. of MPP trackers		2	
No. of PV strings per MPP tracker		1/1	
Max. input current per MPP tracker		18A	
Max. short-circuit current per MPP tracker		23A	
Output data (AC)			
AC nominal power	600W	800W	1000W
Max. AC apparent power	600VA	800VA	1000VA
Nominal AC voltage/range		230V (180-253V)	
Adjustable output voltage range		150V-280V	
AC grid frequency		50/60 Hz	
Adjustable output frequency range		45~55Hz/55-65 Hz	
Rated output current	2.61A	3.48A	4.35A
Power factor		0.8 leading ... 0.8 lagging	
THDi		<3%	
AC grid connection type		Single phase	
Maximum units per 12AWG branch*1	8	6	4
Maximum units per 12AWG branch*1	10	8	6
Efficiency			
Max.efficiency		97.3%	
MPPT efficiency		99.5%	
Night power consumption		30mW	
Protection devices			
DC reverse polarity protection		Yes	
AC surge protection		Type III	
AC short-circuit protection		Yes	
Ground fault monitoring		Yes	
Grid monitoring		Yes	
Anti-islanding protection		Yes	
Insulation resistance monitoring		Yes	
General data			
Dimensions (W / H / D)		270/252/41.5mm	
Weight		3.1kg	
Operating temperature range		-40°C ... +65°C	
Altitude		4000m	
Topology		High frequency transformers, Galvanically isolated	
Cooling		Natural convection-No Fans	
Protection degree		IP67	
Relative humidity		0~100%	
DC connection		VP-D4 / PV-JK00M2	
AC connection		plug and play	
Interfaces			
Display		LED+APP	
Monitoring		LoRa	
Warranty		12 years	
		CE, N 4105, EN 50549-1, UNE 217002, NTS Type A, C10/C11, CEI 0-21, G98, IEC 61727&IEC 62116	

* 1 Refer to local requirements for exact number of microinverters per branch.

* The AC Voltage and Frequency Range may vary depending on specific country grid standard.
All specifications are subject to change without notice.

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