

NEO 600-1000M-X (LoRa)

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



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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	16V-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	MC4		
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, IEC/EN 61000,NTS Type C,INMETRO,NI G98,Polond, ANATEL			

* 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.