

NEO 1600~2000M-X

- Maximum efficiency 96.5%
- Four MPP trackers
- Type III SPD on AC side
- Convenient communication
- Long signal transmission distance



P O W E R
- I N G O
T O M O -
R R O W O

Datasheet	NEO 1600M-X	NEO 2000M-X
Input data (DC)		
Max. recommended PV power (for module STC)	2400W	3000W
Max. DC voltage	60V	
Start voltage	20V	
Nominal voltage	35V	
MPP voltage range	16V-55V	
No. of MPP trackers	4	
No. of PV strings per MPP tracker	1/1/1/1	
Max. input current per MPP tracker	15A	
Max. short-circuit current per MPP tracker	18.8A	
Output data (AC)		
AC nominal power	1600W	2000W
Max. AC apparent power	1600VA	2000VA
Nominal AC voltage (range*)	220V (160-285V)	
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)	
Max. output current	7.44A	9.3A
Power factor	>0.99	
THDi	<3%	
AC grid connection type	Single phase	
Maximum units per 10AWG branch	4	3
Maximum units per 12AWG branch	3	2
Efficiency		
Max. efficiency	96.5%	
CEC efficiency	96%	
MPPT efficiency	99.5%	
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	
General data		
Dimensions (W / H / D)	396/300/45mm	
Weight	5kg	
Operating temperature range	-40°C ... +65°C	
Nighttime power consumption	50mW	
Topology	HF Transformer	
Cooling	Natural convection	
Protection degree	IP67(NEMA 6)	
Relative humidity	0-100%	
Altitude	4000m	
DC connection	H4	
AC connection	Connector	
Display	LED/WIFI+APP	
Interfaces: Wi-Fi/RF	Yes/Optional	
Warranty:10 years/15years	Yes/Optional	
CE, IEC 62116, IEC 61727, ABNT NBR16149/16150:2013, 2012 IEEE1547,IEC/EN 62920, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3, IEC/EN 62109-1, IEC/EN 62109-2;UL1741		