

NEO 1200~2000M-X

- Maximum efficiency 96.5%
- 3/4 MPPTs
- Type III SPD on AC side
- Convenient communication
- Long signal transmission distance



NEO 1200M-X



NEO 1600~2000M-X

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

Datasheet	NEO 1200M-X	NEO 1600M-X	NEO 2000M-X
Input data (DC)			
Max. recommended PV power (for module STC)	1800W	2400W	3000W
Max. DC voltage		60V	
Start voltage		20V	
Nominal voltage		45V	
MPP voltage range		16V-55V	
No. of MPP trackers	3	4	4
No. of PV strings per MPP tracker		1	
Max. input current per MPP tracker		15A	
Max. short-circuit current per MPP tracker		18.8A	
Output data (AC)			
AC nominal power	1200W	1600W	2000W
Max. AC apparent power	1200VA	1600VA	2000VA
Nominal AC voltage (range*)		220V (160-285V)	
AC grid frequency (range*)		50/60Hz (45-55Hz/55-65Hz)	
Max. output current	5.58A	7.44A	9.3A
Power factor		>0.99	
THDi		<3%	
AC grid connection type		Single phase	
Maximum units per 10AWG branch	5	4	3
Maximum units per 12AWG branch	4	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		VP-D4	
AC connection		Conector	
Display		LED/WIFI+APP	
Interfaces: Wi-Fi/RF		Yes/Optional	
Warranty: 12 years/15years		Yes/Optional	
CE,61000-6-1/-2/-3/-4,EN 18031-1:2024			