GROWATT

NEO 1600~2500M-X2 (LoRa)

- 4 independent MPP trackers
- Up to 2500 VA output power
- Max. 18A string current
- Support LoRa communication
- IP67 protection degree

POWER-ING
TOMO-RROW

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Datasheet	NEO 1600M-X2	NEO 1800M-X2	NEO 2000M-X2	NEO 2250M-X2	NEO 2500M-X2
Input data (DC)					
Max. recommended PV power (for module STC)	320W to 530W+	360W to 600W+	400W to 670W+	450W to 700W+	500W to 700W+
Max. DC voltage	60V				
Start voltage	20V				
Nominal voltage	16-60V				
MPP voltage range	16V-55V				
No. of MPP trackers	4				
No. of PV strings per MPP tracker	1/1				
Max. input current per MPP tracker	18A				
Max. short-circuit current per MPP tracker	20A				
Output data (AC)					
AC nominal power	1600W	1800W	2000W	2250W	2500W
Max. AC apparent power	1600VA	1800VA	2000VA	2250VA	2500VA
Nominal AC voltage (range*)	220V/230V/240V(180~275V)				
Nominal AC current	7.27A@220V 6.96A@230V 6.67A@240V	8.18A@220V 7.83A@230V 7.5A@240V	9.09A@220V 8.7@230V 8.33A@240V	10.23A@220V 9.78A@230V 9.38A@240V	11.36A@220V 10.87A@230V 10.42A@240V
AC grid frequency (range*)	50Hz(45~55Hz), 60Hz(55~60Hz)				
Max. output current	7.27A	8.18A	9.09A	10.23A	11.36A
Power factor	>0.99				
Adjustable power factor	0.8 leading~0.8 lagging				
THDi	<3%				
AC grid connection type	Single phase				
Efficiency					
Max.efficiency	96.5%				
MPPT efficiency	99.5%				
Protection devices					
DC reverse polarity protection	Yes				
Insulation resistance monitoring	Yes				
AC surge protection	Type III				
AC short-circuit protection	Yes				
Grid monitoring	Yes				
General data					
Dimensions (W / H / D)	396/270/45mm				
Weight	5.1kg				
Operating temperature range	-40°C ... +65°C				
Noise emission (typical)	≤ 25 dB(A)				
Altitude	4000m				
Nighttime power consumption	< 50mW				
Topology	Transformer				
Cooling	Nature convection				
Protection degree	IP67(NEMA 6)				
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, N4105, EN 50549-1, C10/C11, G98					

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

SHENZHEN GROWATT NEW ENERGY CO.,LTD.
T: + 86 755 2747 1900 F: + 86 755 2749 1460
A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
E: info@growatt.com