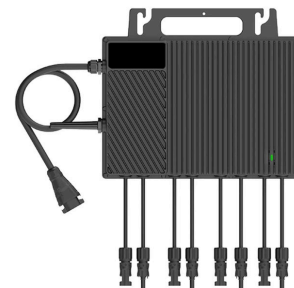


INVERTERS

NEO 1600-2500M-X2

Microinverter · Single-phase · 1.6 – 2.5 kW · 5 models


1.6 – 2.5 kW

RATED POWER

Single-phase

PHASE

4

MPPT TRACKERS

96.5 %

MAX. EFFICIENCY

Parameter	Unit	NEO 1600M-X2	NEO 1800M-X2	NEO 2000M-X2	NEO 2250M-X2	NEO 2500M-X2
PV input						
Recommended PV module power	W	320 – 530	360 – 600	400 – 670	450 – 700	500 – 700
Max. PV input voltage	V	60				
Start-up voltage	V	20				
Rated PV input voltage	V	16 – 60				
MPPT voltage range	V	16 – 55				
Number of MPPT trackers		4				
PV strings per MPPT		1				
Max. input current per MPPT	A	18				
Max. short-circuit current per MPPT	A	20				
AC output						
Rated output power	W	1600	1800	2000	2250	2500
Max. apparent power	VA	1600	1800	2000	2250	2500
Rated AC voltage	V	230				
Nominal AC voltage options	V	220 / 230 / 240				
AC voltage range	V	180 – 275				
Rated AC output current	A	6.96	7.83	8.7	9.78	10.87
Nominal AC current (at 220 V / 230 V / 240 V)	A	7.27 / 6.96 / 6.67	8.18 / 7.83 / 7.5	9.09 / 8.7 / 8.33	10.23 / 9.78 / 9.38	11.36 / 10.87 / 10.42
Max. AC output current	A	7.27	8.18	9.09	10.23	11.36
Phase		Single-phase				
Rated AC frequency	Hz	50/60				
AC grid frequency range		50 Hz: 45-55 Hz; 60 Hz: 55-60 Hz				
Power factor		>0.99				
Adjustable power factor		0.8 leading to 0.8 lagging				

Parameter	Unit	NEO 1600M-X2	NEO 1800M-X2	NEO 2000M-X2	NEO 2250M-X2	NEO 2500M-X2
Total harmonic distortion (THDi)	%	<3				
Efficiency						
Max. efficiency	%	96.5				
MPPT efficiency	%	99.5				
Protection						
Protection functions		DC reverse polarity protection; Insulation resistance monitoring; AC surge protection (Type III); AC short-circuit protection; Grid monitoring				
General data						
Dimensions (W x H x D)	mm	396 × 270 × 45				
Weight	kg	5.1				
Operating temperature range	°C	−40 – 65				
Noise level	dB	≤25				
Max. operating altitude	m	4000				
Night-time power consumption	W	<0.05				
Topology		Transformer				
Cooling		Natural convection				
Ingress protection (IP rating)		IP67				
NEMA rating		NEMA 6				
Relative humidity	%	0 – 100				
AC connection		Plug and play				
Warranty	years	12				
Communication						
Display		LED + APP				
Communication interfaces		LoRa (LoRa version); Wi-Fi (Wi-Fi version)				
Certifications						
Certifications and standards		CE; IEC/EN 61000; INMETRO; UL 1741; ANATEL; PEA MEA; CE-RED/NB				
Grid codes		N4105; EN 50549-1; EN 50549-10; C10/C11; G98; IEC 61727; IEC 62116; Poland; IEEE 1547/UL 1741				

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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