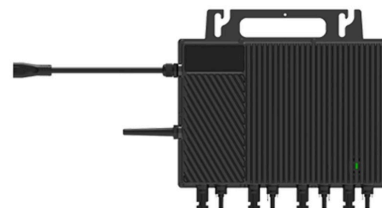


INVERTERS

NEO 2000M-X

Microinverter · Single-phase · 2 kW


2 kW

RATED POWER

Single-phase

PHASE

4

MPPT TRACKERS

96.5 %

MAX. EFFICIENCY

Parameter	Unit	NEO 2000M-X
PV input		
Max. PV input power	W	3000
Max. PV input voltage	V	60
Start-up voltage	V	20
Rated PV input voltage	V	45
MPPT voltage range	V	16 – 55
Number of MPPT trackers		4
PV strings per MPPT		1
Max. input current per MPPT	A	15
Max. short-circuit current per MPPT	A	18.8
AC output		
Rated output power	W	2000
Max. apparent power	VA	2000
Rated AC voltage	V	220
AC voltage range	V	160 – 285
Phase		Single-phase
Rated AC frequency	Hz	50/60
Grid frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65
Max. AC output current	A	9.3
Total harmonic distortion (THDi)	%	<3
Power factor		>0.99
Max. units per AC branch		3
Max. units per 12 AWG branch		2

Parameter	Unit	NEO 2000M-X
Efficiency		
Max. efficiency	%	96.5
CEC efficiency	%	96
MPPT efficiency	%	99.5
Protection		
Protection functions	DC reverse polarity protection; AC surge protection (Type III); AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection	
General data		
Dimensions (W x H x D)	mm	396 × 300 × 45
Weight	kg	5
Operating temperature range	°C	−40 – 65
Night-time power consumption	W	0.05
Topology	HF transformer	
Cooling	Natural convection	
Ingress protection (IP rating)	IP67	
NEMA rating	NEMA 6	
Relative humidity	%	0 – 100
Max. operating altitude	m	4000
DC connector	VP-D4	
AC connector	Connector	
Warranty	years	12 – 15
Communication		
Display	LED	
Communication interfaces	Wi-Fi; RF (optional)	
Monitoring	Wi-Fi + app	
Certifications		
Certifications and standards	CE; IEC/EN 61000-6-1/-2/-3/-4; EN 18031-1:2024	

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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