

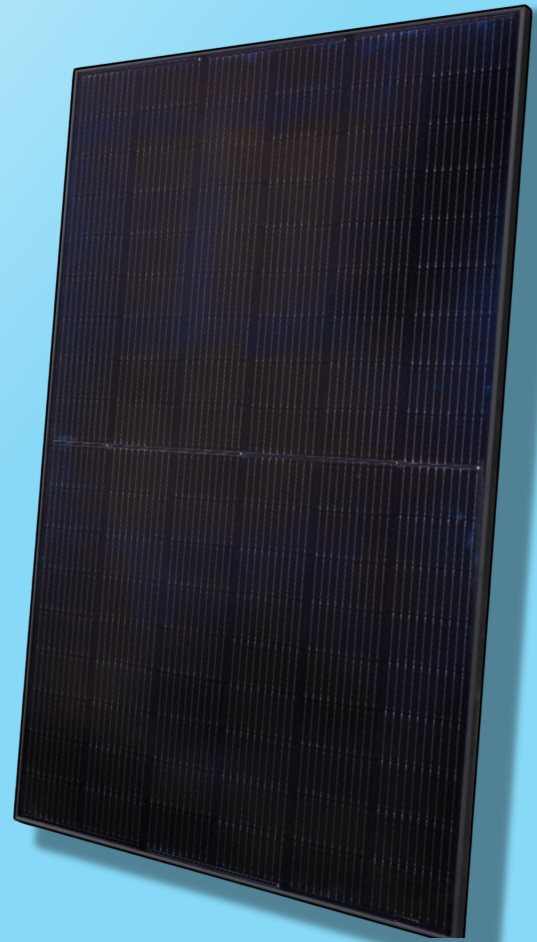


NEOSOLAR

NEO108NT-M-435

435W

AMERICAN PRODUCTS FOR AMERICAN PROJECTS



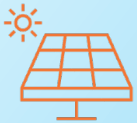
435W Power Output

- Strong Low Light Performance
- Elegant All Black Design



22.0% Max Efficiency

- 0.45% annual degradation after year 1
- Positive Power Tolerance



108 Monocrystalline Layout

- 35mm Frame With 1.2m Cable
- Light And Simple To Install



30 YEAR POWER OUTPUT WARRANTY

NEO Solar, headquartered in Ohio, is a pioneering force in the American solar industry. With a strong commitment to sustainability and quality, NEO Solar produces cutting-edge solar panels right here in the United States. Our mission revolves around creating reliable, efficient, and environmentally friendly products that contribute to supporting our environment and strengthening the domestic supply chain.



Contact:
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Made in the USA
With Domestic and
Global Components

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
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Version number: NEO108NT-M-435.2.1

NEO108NT-M-435

Framed mono-facial N-type

ELECTRICAL CHARACTERISTICS

Model Name	M-420	M-425	M-430	M-435
Maximum Power (+3%)	420	425	430	435
Voc (V)	38.26	38.37	38.58	38.66
Isc (A)	13.71	13.72	13.74	13.76
Vmp (V)	32.62	32.89	33.13	33.4
Imp (A)	12.89	12.94	12.99	13.02
Module Efficiency (%)	21.3%	21.6%	21.8%	22.0%

1.STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM 1.5

FUNCTIONAL CHARACTERISTICS

Series Fuse Rating	30A
Junction Box Protection	IP68
Maximum System Voltage	VDC 1500
Operating Temperature	-40 °C to 85 °C
Module type	Framed Mono-Facial Single Glass
Connector type	Stäubli EVO-2A ¹
Cable length	12AWG 1200mm ²
Maximum snow/wind load	5400Pa (snow)/2400Pa (wind)
Certification/Fire Type	UL61730 ² ; UL1703 Fire Type 1

1.Additional connectors are available upon request
2.Cable length may be customized

MECHANICAL CHARACTERISTICS

Frame	Anodized Aluminum (Black)
Dimension (L × W × D)	1740mm × 1134mm × 35mm (68.50" × 44.65" × 1.38")
Weight	21.30 kg (46.96 lbs)

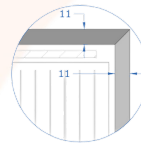
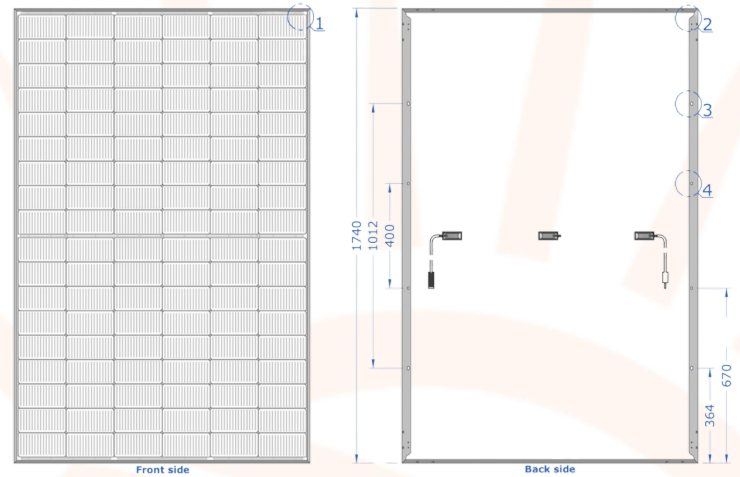
TEMPERATURE COEFFICIENTS

NOCT	45 °C
Short circuit current	+0.05%/°C
Open circuit voltage	-0.25%/°C
Max power output	-0.29%/°C

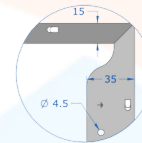
PACKING CONFIGURATION

Pallet	34 pcs
Pallet Weight	756 kgs (1667 lbs)
Pallet Dimensions	1842mm × 1236mm × 1317mm (72.52" × 48.66" × 51.85")
Container	25 pallets - 850pcs/53'

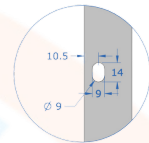
MODULE DIMENSIONS



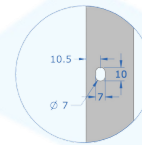
1: Front Corner



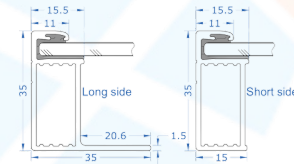
2: Drainage (x16) & GND (x4)



3: Mounting (x8)



4: Tracker (x4)



5: Frame profile

(Units in mm)

I-V CURVES

PRODUCT WARRANTY

Degradation	0.45% after year 1
Power Output	30 years
Product Guarantee	25 years



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