

NEO120NT-BD-480

Framed Double Glass Bi-facial N-type

ELECTRICAL CHARACTERISTICS

Model Name	Power (+3%)	Voc	Isc	Vmp	Imp	
NEO120NT-BD-465	465	42.45	13.70	36.09	12.89	
	5%	488	42.45	14.38	36.09	13.53
	10%	512	42.45	15.07	36.09	14.18
	20%	558	42.45	16.44	36.09	15.46
	30%	605	42.45	17.81	36.09	16.75
NEO120NT-BD-470	470	42.57	13.72	36.43	12.91	
	5%	494	42.57	14.40	36.43	13.56
	10%	518	42.57	15.09	36.43	14.20
	20%	565	42.57	16.46	36.43	15.49
	30%	612	42.57	17.83	36.43	16.78
NEO120NT-BD-475	475	42.72	13.73	36.66	12.97	
	5%	499	42.72	14.42	36.66	13.61
	10%	523	42.72	15.11	36.66	14.26
	20%	570	42.72	16.48	36.66	15.56
	30%	618	42.72	17.85	36.66	16.86
NEO120NT-BD-480	480	42.81	13.74	36.94	12.99	
	5%	504	42.81	14.42	36.94	13.64
	10%	528	42.81	15.11	36.94	14.29
	20%	576	42.81	16.49	36.94	15.59
	30%	624	42.81	17.86	36.94	16.89

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 Bi-Facial Double Glass ¹
Connector type	Stäubli EVO-2A ²
Cable length	12AWG 1200mm ³
Maximum snow/wind load	5400Pa (snow)/2400Pa (wind)
Certification/Fire Type	UL61730; UL1703 Fire Type 1

1. Also available with single glass
 2. Additional connectors are available upon request
 3. Cable length may be customized

MECHANICAL CHARACTERISTICS

Frame	Anodized Aluminum (Silver and Black)
Dimension (L x W x D)	1928mm x 1134mm x 30mm (75.91" x 44.65" x 1.18")
Weight	25.98 kg (57.27lbs)

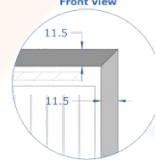
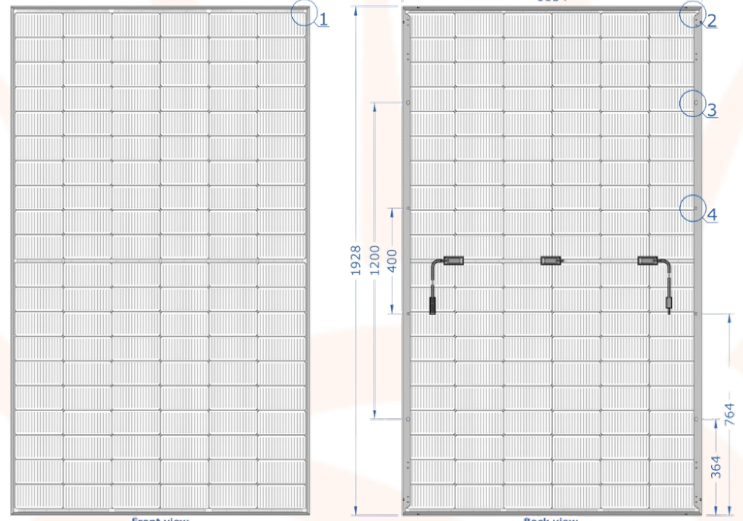
TEMPERATURE COEFFICIENTS

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

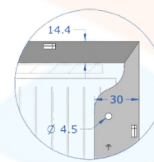
PACKING CONFIGURATION

Pallet	37 pcs
Pallet Weight	997 kgs (2197 lbs)
Pallet Dimensions	2030mm x 1236mm x 1237mm (79.92" x 48.66" x 48.7")
Container	19 pallets - 703pcs/53'

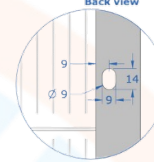
MODULE DIMENSIONS



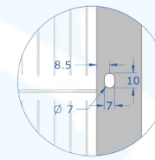
1: Front Corner



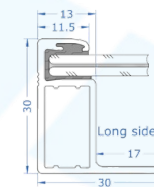
2: Drain (x8) & GND (x8)



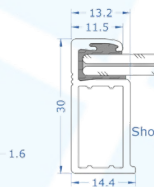
3: Mounting (x4)



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



Contact:
info@neosolarusa.com
 (234) 255-0632



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
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 Version number: NEO108TOP-M-435.2.1

Made in the USA
 With Domestic and
 Global Components