

# NEO132NT-BD-530

## Framed Double Glass Bi-facial N-type

### ELECTRICAL CHARACTERISTICS

Model Name	Power (+3%)	Voc	Isc	Vmp	Imp	
NEO144NT-BD-515	515	46.70	13.70	39.95	12.90	
	5%	541	46.70	14.39	39.95	13.54
	10%	567	46.70	15.07	39.95	14.19
	20%	619	46.70	16.44	39.95	15.48
	30%	670	46.70	17.81	39.95	16.77
NEO144NT-BD-520	520	46.89	13.72	40.19	12.94	
	5%	546	46.89	14.40	40.19	13.58
	10%	572	46.89	15.09	40.19	14.23
	20%	624	46.89	16.46	40.19	15.53
	30%	676	46.89	17.83	40.19	16.82
NEO144NT-BD-525	525	47.03	13.73	40.46	12.98	
	5%	551	47.03	14.41	40.46	13.63
	10%	577	47.03	15.10	40.46	14.27
	20%	629	47.03	16.47	40.46	15.57
	30%	682	47.03	17.85	40.46	16.87
NEO132NT-BD-530	530	47.16	13.75	40.73	13.01	
	5%	556	47.16	14.43	40.73	13.66
	10%	583	47.16	15.12	40.73	14.31
	20%	636	47.16	16.50	40.73	15.62
	30%	689	47.16	17.87	40.73	16.92

### 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 <sup>1</sup>
Connector type	Stäubli EVO-2A <sup>2</sup>
Cable length	12AWG 1200mm <sup>3</sup>
Maximum snow/wind load	5400Pa (snow)/2400Pa (wind)
Certification/Fire Type	UL61730 <sup>3</sup> ; 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 × W × D)	2116mm × 1134mm × 30mm (83.31" × 44.65" × 1.18")
Weight	29.10 kg (64.16 lbs)

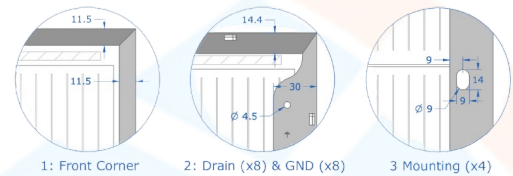
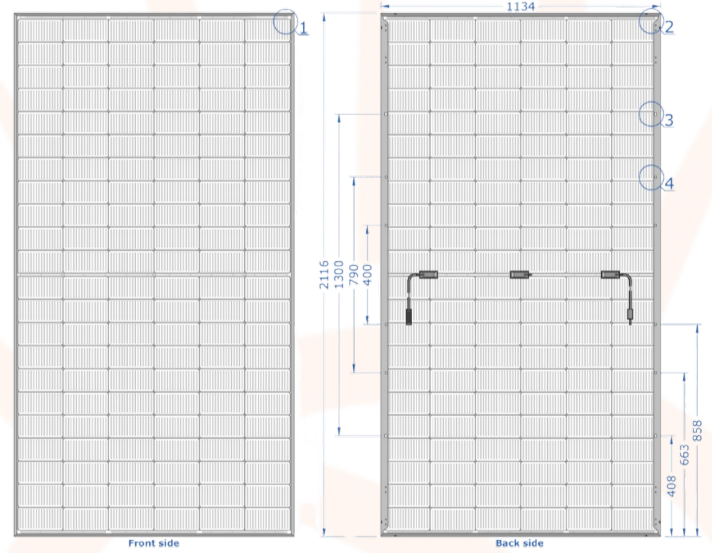
### TEMPERATURE COEFFICIENTS

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

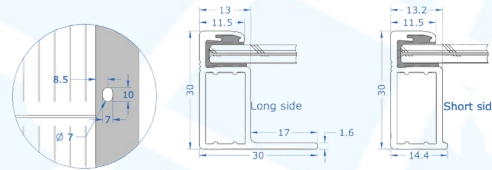
### PACKING CONFIGURATION

Pallet	35 pcs
Pallet Weight	1057 kgs (2331 lbs)
Pallet Dimensions	2218mm x 1236mm x 1177mm (87.32" x 48.66" x 46.34")
Container	18 pallets - 630pcs/53'

### MODULE DIMENSIONS



1: Front Corner 2: Drain (x8) & GND (x8) 3: Mounting (x4)



4: Tracker (x8) 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](mailto:info@neosolarusa.com)  
 (234) 255-0632



Made in the USA  
 With Domestic and  
 Global Components

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT  
 © 2024 NEOSOLAR. All rights reserved. Specifications included in this datasheet are subject to change without notice  
 Version number: NEO108TOP-M-435.2.1