

NEO144NT-BD-580

Framed Double Glass Bi-facial N-type

ELECTRICAL CHARACTERISTICS

Model Name	Power (+3%)	Voc	Isc	Vmp	Imp
NEO144NT-BD-565	566	51.08	13.71	43.78	12.93
	5% 594	51.08	14.40	43.78	13.58
	10% 623	51.08	15.08	43.78	14.22
	20% 679	51.08	16.45	43.78	15.52
	30% 736	51.08	17.82	43.78	16.81
NEO144NT-BD-570	570	51.26	13.73	43.99	12.97
	5% 599	51.26	14.42	43.99	13.61
	10% 627	51.26	15.11	43.99	14.26
	20% 685	51.26	16.48	43.99	15.56
	30% 742	51.26	17.85	43.99	16.86
NEO144NT-BD-575	576	51.37	13.74	44.26	13.00
	5% 605	51.37	14.42	44.26	13.66
	10% 633	51.37	15.11	44.26	14.31
	20% 691	51.37	16.49	44.26	15.61
	30% 749	51.37	17.86	44.26	16.91
NEO144NT-BD-580	580	51.55	13.76	44.53	13.03
	5% 609	51.55	14.44	44.53	13.67
	10% 638	51.55	15.13	44.53	14.33
	20% 696	51.55	16.51	44.53	15.63
	30% 754	51.55	17.88	44.53	16.93

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 ³ ; 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)	2302mm × 1134mm × 30mm (90.63" × 44.65" × 1.18")
Weight	31.75 kg (69.99 lbs)

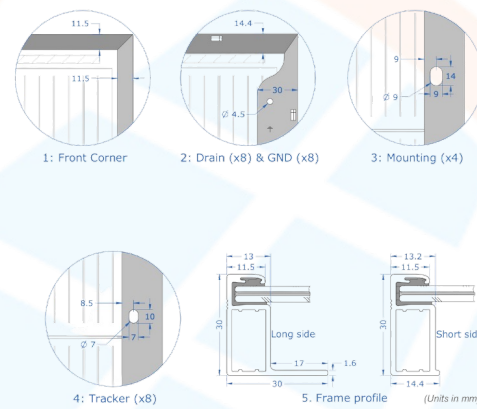
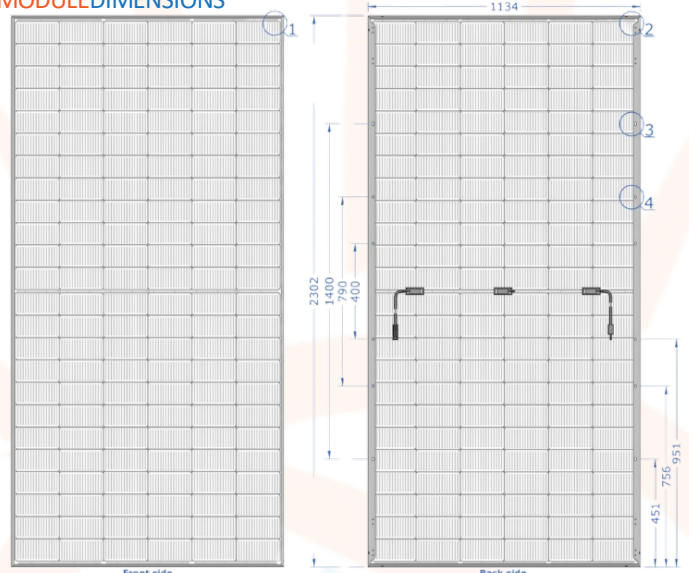
TEMPERATURE COEFFICIENTS

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

PACKING CONFIGURATION

Pallet	36 pcs
Pallet Weight	1185 kgs (2613 lbs)
Pallet Dimensions	2404mm × 1236mm × 1207mm (94.65" × 48.66" × 47.52")
Container	16 pallets - 576pcs/53'

MODULE DIMENSIONS



I-V CURVES

PRODUCT WARRANTY

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



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 With Domestic and
 Global Components

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