

Up to 435 watt

WST-435NGX-D3

N-Type Bifacial Glass-Glass Series

Top performance for all applications



PERFORMANCE WARRANTY



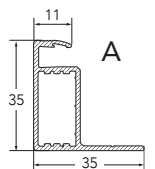
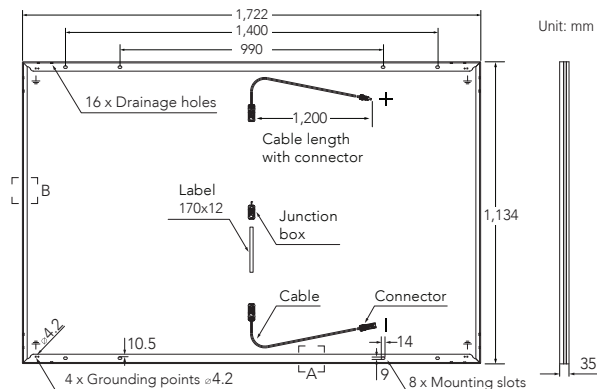
COMPLIMENTARY INSURANCE



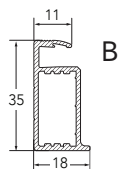
Power to Perform

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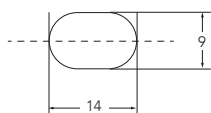
DIMENSIONS



Frame cross section A

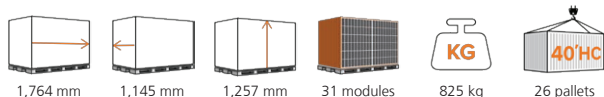


Frame cross section B



Mounting slot

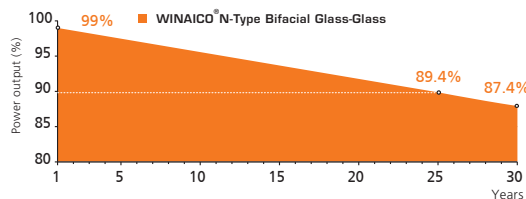
PACKAGING



MECHANICAL DATA WINAICO WST-NGX-D3 SERIES

Cell	Monocrystalline silicon cells
Quantity of cells	6 strings x 18 cells
Dimensions	1,722 x 1,134 x 35 mm (67.80 x 44.65 x 1.38 in)
Weight	23.5 kg (52.3 lbs)
Glass thickness	2.0 + 2.0 mm (0.08 + 0.08 in)
Frame	Black anodised aluminium
Junction box	IP68
Connector type	MC4-EVO2A
Module fire performance	Type 4
Cable length (IEC/UL)	1,200 mm (47.24 in)
Fire safety class	C

WINAICO PERFORMANCE GUARANTEE



30 year product guarantee.
Linear performance guarantee for 30 years.
No more than 0.4% degradation per year from 2nd year to 30th year.

Operating conditions

Operating conditions		WINAICO WST-NGX-D3	
Operating temperature		-40°C to +85°C / -40°F to +185°F	
Maximum system voltage IEC/UL		1,500V/1,500V	
Maximum series fuse		25 A	
Maximum design load (push/pull)		3,600 Pa/1,600 Pa	
Maximum test load (push/pull)		5,400 Pa/2,400 Pa	
Nominal module operating temperature NMOT		42 ± 2°C	
Temperature coefficient of P _{MAX}		-0.30%/°C	
Temperature coefficient of V _{OC}		-0.25%/°C	
Temperature coefficient of I _{SC}		0.045%/°C	
Certifications		IEC 61215-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, IEC 61730-2:2016	

Electrical data (STC)

Electrical data (STC)		WST-430NGX-D3	WST-435NGX-D3	
Nominal performance	P _{MAX}	430W	435W	Wp
Voltage at maximum performance	V _{MP}	430	435	V
Current at maximum performance	I _{MP}	32.68	33.01	A
Open circuit voltage	V _{OC}	13.16	13.18	V
Short circuit current	I _{SC}	38.60	38.72	A
Module efficiency		13.80	13.89	%
Power tolerance		22.02	22.30	W

Electrical data applies under standard test conditions (STC): solar radiation 1,000W/m² with light spectrum AM 1.5, with cell temperature 25°C. Measurement tolerance of P_{MAX} at STC: ±3%. Accuracy of other electrical data: ±10%.

Electrical data (NMOT)

Electrical data (NMOT)		WST-430NGX-D3	WST-435NGX-D3	
Nominal performance	P _{MAX}	327	325	Wp
Voltage at maximum performance	V _{MP}	30.10	30.83	V
Current at maximum performance	I _{MP}	10.87	10.54	A
Open circuit voltage	V _{OC}	36.40	36.82	V
Short circuit current	I _{SC}	11.47	11.2	A

Electrical data applies under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.



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