

Up to 435 watt

# WST-435NGX-D3

N-Type Bifacial Glass-Glass Series

Top performance for all applications



PERFORMANCE  
WARRANTY



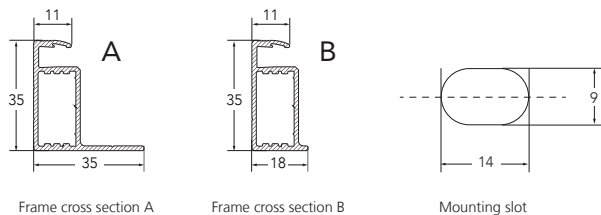
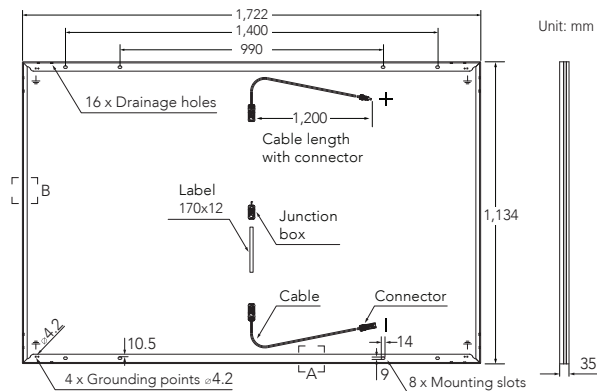
COMPLIMENTARY  
INSURANCE



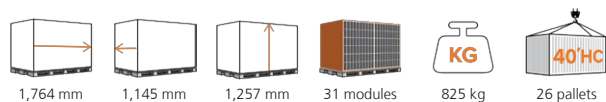
*Power to Perform*

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## DIMENSIONS



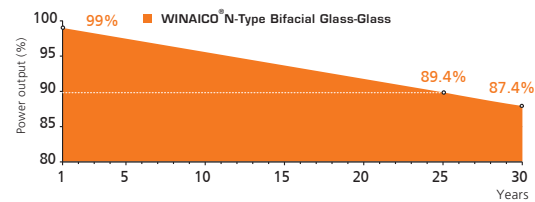
## PACKAGING



## 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	Stäubli KST4-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	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	30A		
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 <sub>MAX</sub>	-0.30%/°C		
Temperature coefficient of V <sub>OC</sub>	-0.25%/°C		
Temperature coefficient of I <sub>SC</sub>	0.045%/°C		
Certifications	IEC 61215-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, IEC 61730-2:2016		
Electrical data (STC)	WST-430NGX-D3	WST-435NGX-D3	
Nominal performance P <sub>MAX</sub>	430	435	Wp
Voltage at maximum performance V <sub>MP</sub>	32.68	33.01	V
Current at maximum performance I <sub>MP</sub>	13.16	13.18	A
Open circuit voltage V <sub>OC</sub>	38.60	38.72	V
Short circuit current I <sub>SC</sub>	13.80	13.89	A
Module efficiency	22.02	22.30	%
Power tolerance	-0/+5		W

Electrical data applies under standard test conditions (STC): solar radiation 1,000 W/m<sup>2</sup> with light spectrum AM 1.5, with cell temperature 25°C. Measurement tolerance of P<sub>MAX</sub> at STC: ±3%. Accuracy of other electrical data: ±10%.

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

Electrical data applies under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.



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