

Up to 405 watt

WST-MGX-E5 GEMINI Series

Top performance for commercial and residential applications

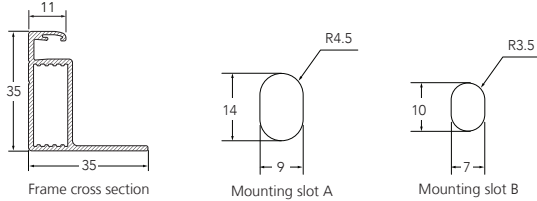
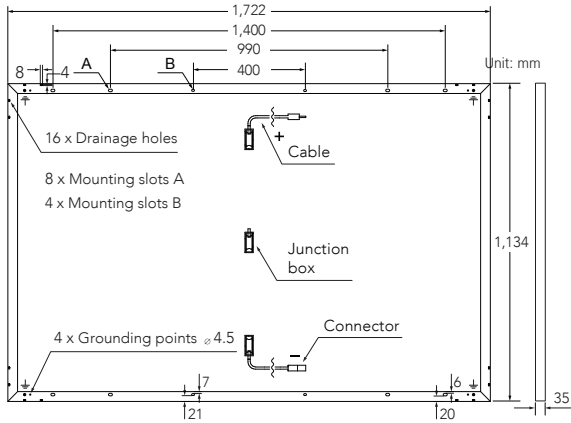


PERFORMANCE
WARRANTY

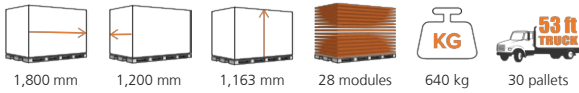


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DIMENSIONS



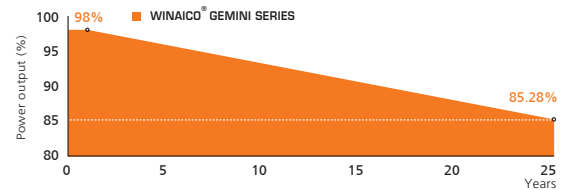
PACKAGING



MECHANICAL DATA

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	21.7 kg (47.84 lbs)
Glass thickness	3.2 mm (0.13 in)
Frame	Black anodised aluminium
Junction box	IP68
Connector type	Staubli MC4-EVO2
Cable length (IEC/UL)	1200 mm
Module fire performance	Type 1

WINAICO PERFORMANCE GUARANTEE



25 years product guarantee.
25 years linear performance guarantee.
No more than 0.53% degradation per year from 2nd year to 25th year.

Operating conditions

Operating conditions		WINAICO WST-MGX-E5	
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)		1600Pa/1600Pa	
Maximum test load (push/pull)		2400Pa/2400Pa	
Nominal module operating temperature NMOT		45 ± 2°C	
Temperature coefficient of P _{MAX}		-0.32%/°C	
Temperature coefficient of V _{OC}		-0.24%/°C	
Temperature coefficient of I _{SC}		0.040%/°C	
Certifications		UL61730, UL1703	

Electrical data (STC)

Electrical data (STC)		WST-405MGXB-E5 Full Black	WST-405MGX-E5	
Nominal performance	P _{MAX}	405	405	Wp
Voltage at maximum performance	V _{MP}	31.36	31.36	V
Current at maximum performance	I _{MP}	12.92	12.92	A
Open circuit voltage	V _{OC}	37.36	37.36	V
Short circuit current	I _{SC}	13.78	13.78	A
Module efficiency		20.80	20.80	%
Power tolerance		-0/+5	-0/+5	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-405MGXB-E5 Full Black	WST-405MGX-E5	
Nominal performance	P _{MAX}	298	298	Wp
Voltage at maximum performance	V _{MP}	28.79	28.79	V
Current at maximum performance	I _{MP}	10.34	10.34	A
Open circuit voltage	V _{OC}	34.58	34.58	V
Short circuit current	I _{SC}	11.09	11.09	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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