

Up to 410 watt

# WST-MGX-E1 GEMINI Series

Top performance for commercial rooftop systems



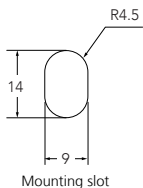
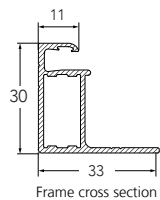
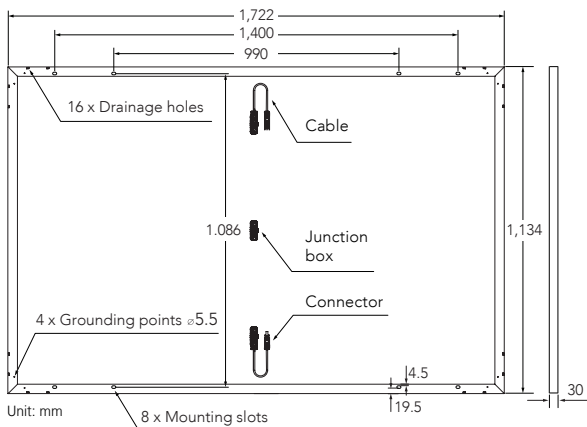
15-year product warranty only available for systems over 30 kW and after online registration.



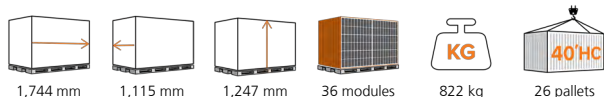
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[www.winaico.com](http://www.winaico.com)

## DIMENSIONS



## PACKAGING



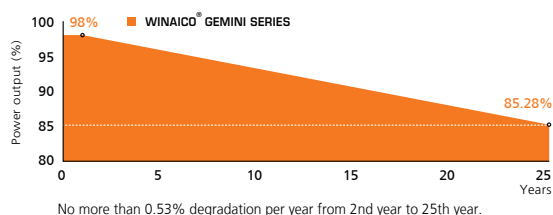
## MECHANICAL DATA WINAICO WST-MGX-E1 GEMINI SERIES

Cell	Monocrystalline silicon cells
Quantity of cells	6 strings x 18 cells
Dimensions	1,722 x 1,134 x 30 mm (67.80 x 44.65 x 1.18 in)
Weight	21.6 kg (47.6 lbs)
Glass thickness	3.2 mm (0.13 in)
Frame	Black anodised aluminium
Junction box	IP68
Connector type	MC4 compatible IP68
Module fire performance	Type 4
Fire safety class	C
Cable length (IEC/UL)	1200 mm

## WINAICO PRODUCT WARRANTY

To activate 15-year product warranty for your installation (over 30 kW only), please register at <https://www.winaico.com/warranty-registration/>

## WINAICO PERFORMANCE GUARANTEE



## Operating conditions

Operating conditions		WINAICO WST-MGX-E1	
Operating temperature		-40 °C to +85 °C / -40 °F to +185 °F	
Maximum system voltage IEC/UL		1,500V/1,500V	
Maximum series fuse		25A	
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		41 ± 2 °C	
Temperature coefficient of P <sub>MAX</sub>		-0.35 %/°C	
Temperature coefficient of V <sub>OC</sub>		-0.27 %/°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)

Electrical data (STC)		WST-410MGX-E1	
Nominal performance	P <sub>MAX</sub>	410	Wp
Voltage at maximum performance	V <sub>MP</sub>	31.43	V
Current at maximum performance	I <sub>MP</sub>	13.05	A
Open circuit voltage	V <sub>OC</sub>	37.40	V
Short circuit current	I <sub>SC</sub>	13.88	A
Module efficiency		21.0	%
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)

Electrical data (NMOT)		WST-410MGX-E1	
Nominal performance	P <sub>MAX</sub>	306	Wp
Voltage at maximum performance	V <sub>MP</sub>	29.29	V
Current at maximum performance	I <sub>MP</sub>	10.46	A
Open circuit voltage	V <sub>OC</sub>	35.34	V
Short circuit current	I <sub>SC</sub>	11.26	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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