



17.4 % EFFICIENCY

UP TO 290 W

60 CELLS



99% relative efficiency at weak-light

Because a 3% increase in yield is better than nothing.



25 year linear performance guarantee

15 year product warranty.



Protection against the weather and the elements

Because long term performance matters.



2 years of free insurance included

Because you never know what tomorrow might bring.



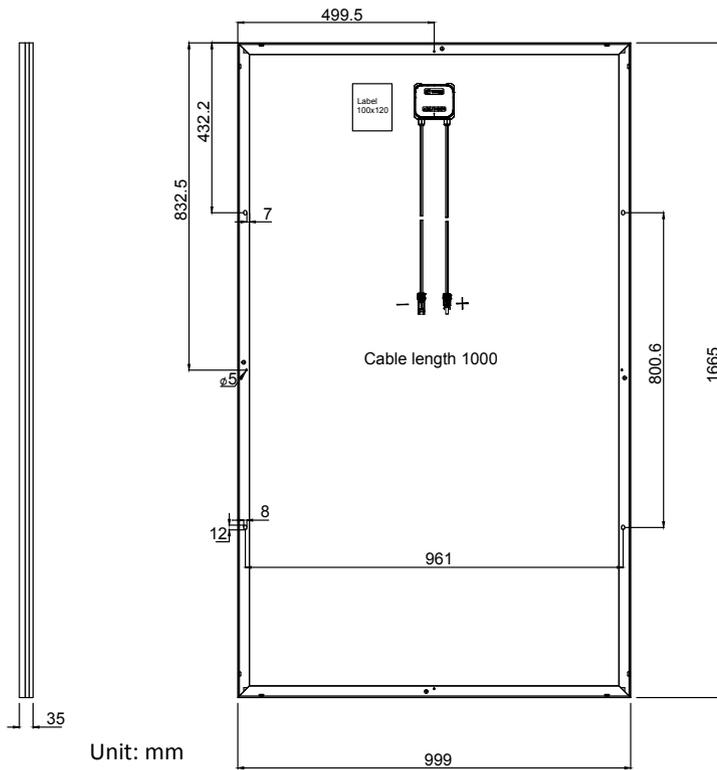
Designed for fire safety

Because plant fires mean more than financial losses alone.



Made in Taiwan

Home of high precision semiconductor manufacturing.



Unit: mm

Mechanical data

Cell	Polycrystalline 156.75 x 156.75 mm silicon cells
Quantity and wiring of cells	60 in series
Dimensions	1,665 x 999 x 35 mm (65.55 x 39.33 x 1.38 in)
Weight	19.0 kg (41.9 lbs)
Glass thickness	3.2 mm (0.13 in)
Frame	Black anodised aluminium
Junction box	IP 67
Connector type	MC4 (PV-KBT4/PV-KST4) IP68; QC4.10 IP67
Module fire performance	Type 1

Operating conditions

Operating temperature	-40°C to +85°C -40°F to +185°F
Maximum system voltage IEC/UL	1,000V/1,000V
Maximum series fuse	25 A
Maximum load	5,400 Pa
Nominal operating cell temperature NOCT	45°C ±3°C
Temperature coefficient of P_{MAX}	-0.43 %/°C
Temperature coefficient of V_{OC}	-0.33 %/°C
Temperature coefficient of I_{SC}	0.06 %/°C

Certifications

IEC 61215, IEC 61730-1/-2, UL 1703 Ed. 3, MCS, JET, CE

Electrical data (STC)		WST-285P6	WST-290P6	
Nominal performance	P_{MAX}	285	290	Wp
Voltage at maximum performance	V_{MP}	31.3	31.3	V
Current at maximum performance	I_{MP}	9.11	9.27	A
Open circuit voltage	V_{OC}	38.9	39.1	V
Short circuit current	I_{SC}	9.57	9.65	A
Module efficiency		17.1	17.4	%
Power tolerance		-0/+5		W

Reduction in the module efficiency rating from 1,000W/m² to 200W/m²: < 4%. The 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 (NOCT)		WST-285P6	WST-290P6	
Nominal performance	P_{MAX}	208	212	Wp
Voltage at maximum performance	V_{MP}	28.2	28.2	V
Current at maximum performance	I_{MP}	7.39	7.52	A
Open circuit voltage	V_{OC}	35.6	35.8	V
Short circuit current	I_{SC}	7.82	7.89	A

The electrical data applies under normal operating cell temperature (NOCT): solar radiation 800W/m², AM 1.5, air temperature 20°C, wind speed 1 m/s.



WINAICO is a trademark of Win Win Precision Technology Co., Ltd.
 WINAICO Australia Pty Ltd
 3/393 George Street, Sydney NSW 2000, Australia
 Tel + 61 2 8091 2771 · australia@winaico.com · www.winaico.com