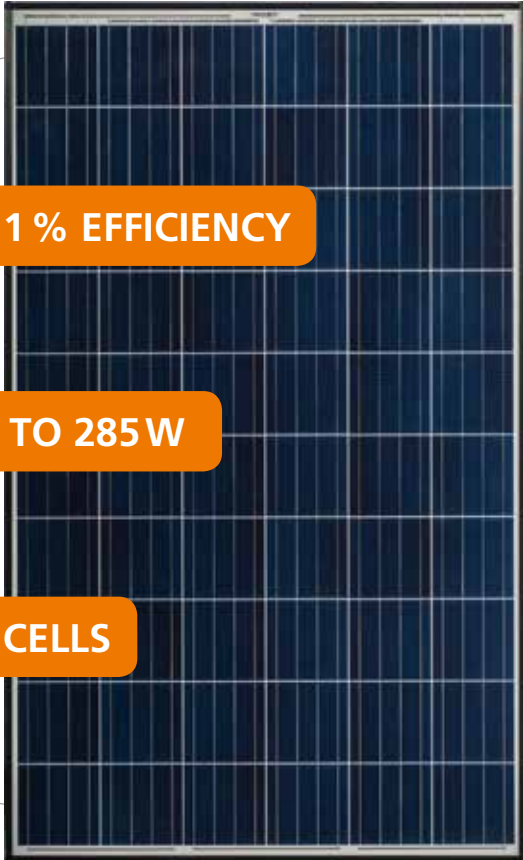




Power to Perform

WINAICO WST-P6



17.1 % EFFICIENCY

UP TO 285 W

60 CELLS



**Exceeds the IEC standard 3 times over**  
Because standards are there to be surpassed.



**25 year linear performance guarantee**  
15 year product warranty.



**Protection against the weather and the elements**  
Because long term performance matters.



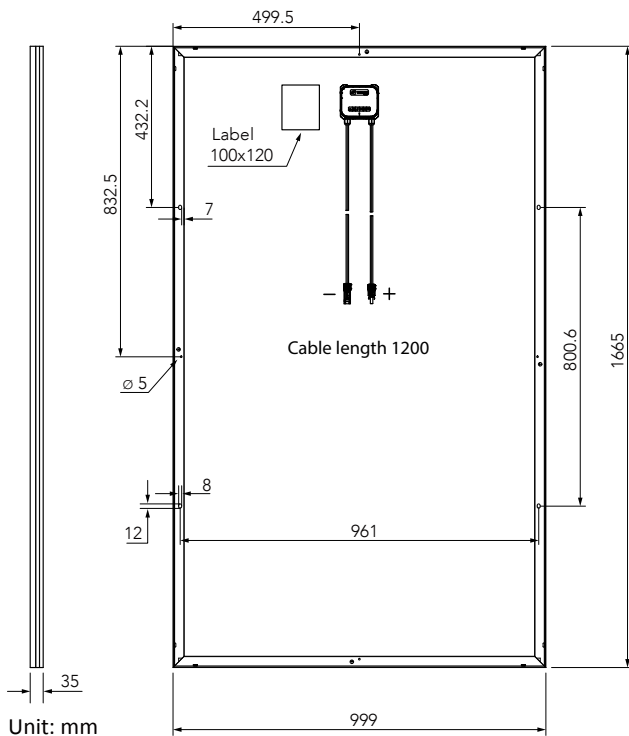
**2 years of free insurance included**  
Because you never know what tomorrow might bring.



**Designed for fire safety**  
Because plant fires mean more than financial losses alone.



**Made in Taiwan**  
Home of high precision semiconductor manufacturing.



**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	Silver/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	1,000 V/1,000 V
Maximum series fuse	20 A
Maximum load	5,400 Pa
Nominal operating cell temperature NOCT	45 ± 3 °C
Temperature coefficient of P <sub>MAX</sub>	-0.43%/°C
Temperature coefficient of V <sub>OC</sub>	-0.33%/°C
Temperature coefficient of I <sub>SC</sub>	0.06%/°C

**Certifications**

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

Electrical data (STC)		WST-275P6	WST-280P6	WST-285P6	
Nominal performance	P <sub>MAX</sub>	275	280	285	Wp
Voltage at maximum performance	V <sub>MP</sub>	31.3	31.3	31.3	V
Current at maximum performance	I <sub>MP</sub>	8.81	8.97	9.11	A
Open circuit voltage	V <sub>OC</sub>	38.5	38.7	38.9	V
Short circuit current	I <sub>SC</sub>	9.41	9.52	9.57	A
Module efficiency		16.5	16.8	17.1	%
Power tolerance			-0/+5		W

Reduction in the module efficiency rating from 1,000W/m<sup>2</sup> to 200W/m<sup>2</sup>: < 4%. The electrical data applies under standard test conditions (STC): solar radiation 1,000W/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 (NOCT)		WST-275P6	WST-280P6	WST-285P6	
Nominal performance	P <sub>MAX</sub>	201	205	208	Wp
Voltage at maximum performance	V <sub>MP</sub>	28.2	28.2	28.2	V
Current at maximum performance	I <sub>MP</sub>	7.15	7.28	7.39	A
Open circuit voltage	V <sub>OC</sub>	35.2	35.4	35.6	V
Short circuit current	I <sub>SC</sub>	7.69	7.78	7.82	A

The electrical data applies under normal operating cell temperature (NOCT): solar radiation 800W/m<sup>2</sup>, AM 1.5, air temperature 20 °C, wind speed 1 m/s.

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