







99% relative efficiency at weak-light Because a 3% increase in yield makes a difference.



25 year linear performance guarantee 15 year product warranty.



Protection against Ammonia, Salt Mist, Hail and the elements Because long term performance matters.



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



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



Made in Taiwan Home of high precision semiconductor manufacturing.



Polycrystalline 156.75 x 156.75 mm

silicon cells

60 in series

IP 67

Type 1

1,665 x 999 x 35 mm

3.2 mm (0.13 in)

QC4.10 IP67

(65.55 x 39.33 x 1.38 in) 19.0 kg (41.9 lbs)

Black anodised aluminium

MC4 (PV-KBT4/PV-KST4) IP68:



## Mechanical data

Cell Quantity and wiring of cells Dimensions Weight

Glass thickness Frame Junction box Connector type

Module fire performance

## **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 Voc -0.33%/°C Temperature coefficient of Isc 0.06%/°C

## Certifications

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

Electrical data (STC)		WST-285P6	WST-290P6	
Nominal performance	P <sub>MAX</sub>	285	290	Wp
Voltage at maximum performance	V <sub>MP</sub>	31.3	31.3	V
Current at maximum performance	I <sub>MP</sub>	9.11	9.27	А
Open circuit voltage	V <sub>oc</sub>	38.9	39.1	V
Short circuit current	I <sub>sc</sub>	9.57	9.65	А
Module efficiency		17.1	17.4	%
Power tolerance		-0/+5		W

Reduction in the module efficiency rating from 1,000 W/m<sup>2</sup> to 200 W/m<sup>2</sup>: < 4%. The 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  $P_{MAX}$  at STC: ±3%. Accuracy of other electrical data: ±10%.

Electrical data (NOCT)		WST-285P6	WST-290P6	
Nominal performance	P <sub>MAX</sub>	208	212	Wp
Voltage at maximum performance	V <sub>MP</sub>	28.2	28.2	V
Current at maximum performance	I <sub>MP</sub>	7.39	7.52	А
Open circuit voltage	V <sub>oc</sub>	35.6	35.8	V
Short circuit current	I <sub>sc</sub>	7.82	7.89	А

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



WINAICO Australia Pty Ltd Tel + 61 2 8091 2771 australia@winaico.com www.winaico.com 3/393 George Street, Sydney NSW 2000, Australia



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