



Power to Perform

WINAICO WST-P6

17.4 % EFFICIENCY

UP TO 285W

60 CELLS

EUPD RESEARCH

TOP BRAND PV

MODULES

GERMANY

2018

EUPD RESEARCH

TOP BRAND PV

MODULES

AUSTRALIA

2018



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 the weather and the elements
Because long term performance matters.



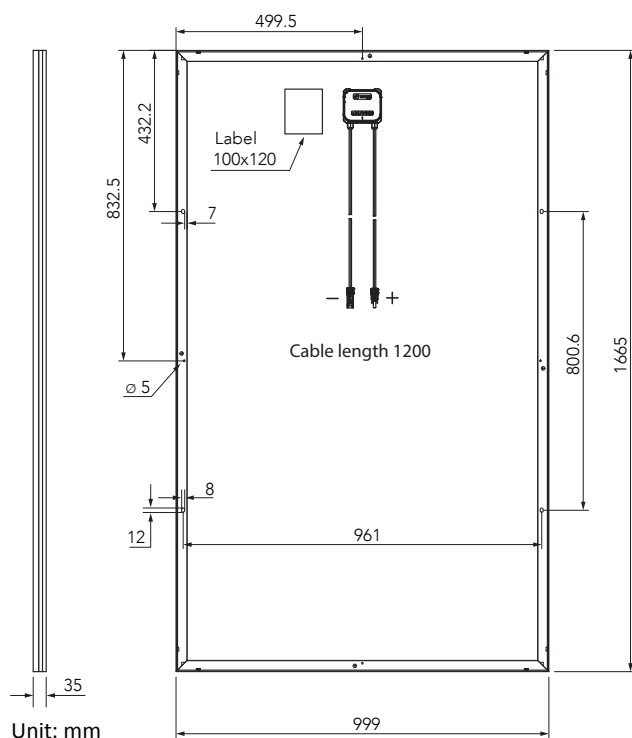
2 years of free insurance included
Because you never know what tomorrow might bring.



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	1,000 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_{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, CE

Electrical data (STC)		WST-285P6	
Nominal performance	P_{MAX}	285	Wp
Voltage at maximum performance	V_{MP}	31.30	V
Current at maximum performance	I_{MP}	9.11	A
Open circuit voltage	V_{OC}	38.92	V
Short circuit current	I_{SC}	9.57	A
Module efficiency		17.13	%
Power tolerance		-0/+5	W

Reduction in the module efficiency rating from 1,000 W/m² to 200 W/m²: < 4%. The electrical data applies under standard test conditions (STC): solar radiation 1,000 W/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	
Nominal performance	P_{MAX}	208	Wp
Voltage at maximum performance	V_{MP}	28.19	V
Current at maximum performance	I_{MP}	7.39	A
Open circuit voltage	V_{OC}	35.58	V
Short circuit current	I_{SC}	7.82	A

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

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