



16.8 % EFFICIENCY

UP TO 280 W

60 CELLS



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



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



99% relative efficiency at weak-light
Because a 3% increase in yield is better than nothing.



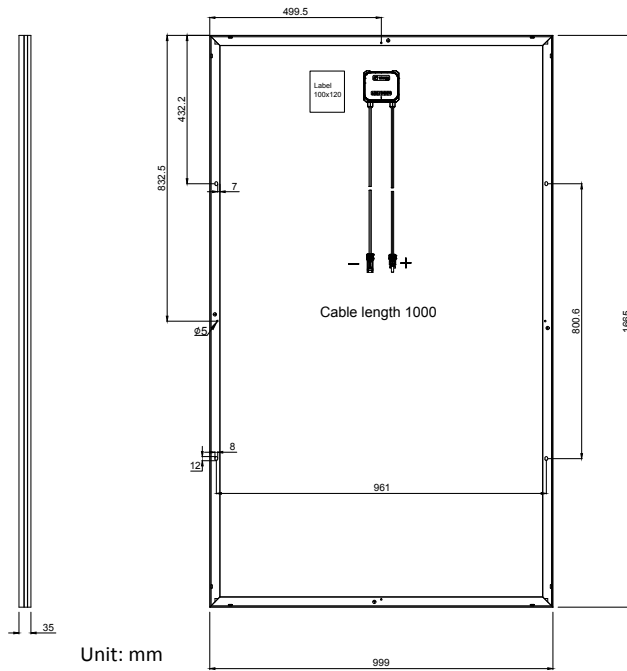
25 year linear performance guarantee
10 year product warranty.



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.



Unit: mm

Mechanical data

Cell	Polycrystalline 156 x 156 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	1,000V/1,000V
Maximum reverse current	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

*1: Please confirm certifications with local WINAICO representatives

Electrical data (STC)		WST-260P6	WST-265P6	WST-270P6	WST-275P6	WST-280P6	
Nominal performance	P _{MAX}	260	265	270	275	280	Wp
Voltage at maximum performance	V _{MP}	31.3	31.3	31.3	31.3	31.3	V
Current at maximum performance	I _{MP}	8.33	8.49	8.65	8.81	8.97	A
Open circuit voltage	V _{OC}	37.9	38.1	38.3	38.5	38.7	V
Short circuit current	I _{SC}	8.67	9.21	9.31	9.41	9.52	A
Module efficiency		15.7	15.9	16.2	16.5	16.8	%

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-260P6	WST-265P6	WST-270P6	WST-275P6	WST-280P6	
Nominal performance	P _{MAX}	190	194	198	202	205	Wp
Voltage at maximum performance	V _{MP}	28.2	28.2	28.2	28.3	28.3	V
Current at maximum performance	I _{MP}	6.74	6.88	7.01	7.14	7.27	A
Open circuit voltage	V _{OC}	34.4	34.6	34.8	35.0	35.2	V
Short circuit current	I _{SC}	7.17	7.61	7.70	7.78	7.87	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.



WINAICO is a trademark of Win Win Precision Technology Co., Ltd.

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