



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.



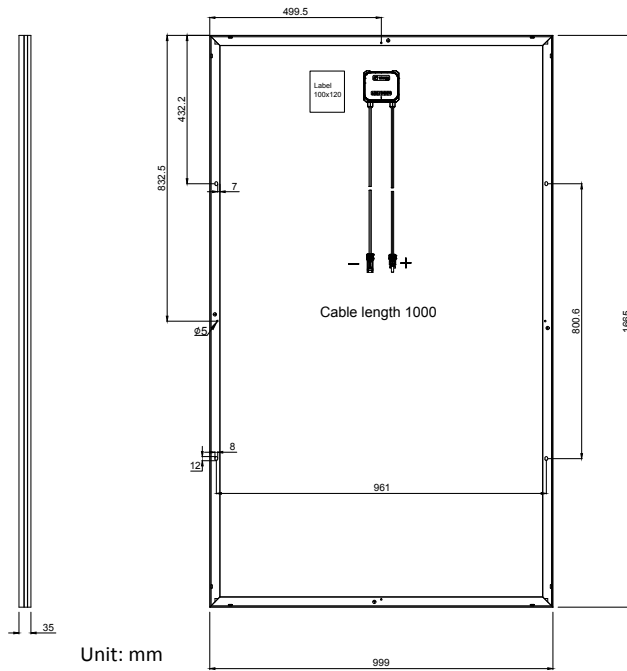
25 year linear performance guarantee
10 year product warranty.



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



We've thought of everything
Because you want to enjoy your solar investment worry-free.



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	Black anodised aluminium (optional in silver)
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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