WINAICO®

Power to Perform

WINAICO WST-P6

16.5 % EFFICIENCY

UP TO 275 W

60 CELLS

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

Low series resistance
Because we want best yields for you.

Protection against leak current
Because a 20 % yield loss is avoidable.

15 year product warranty
25 year linear performance guarantee.

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

100 % electroluminescence test
Because we only deliver premium solar modules.

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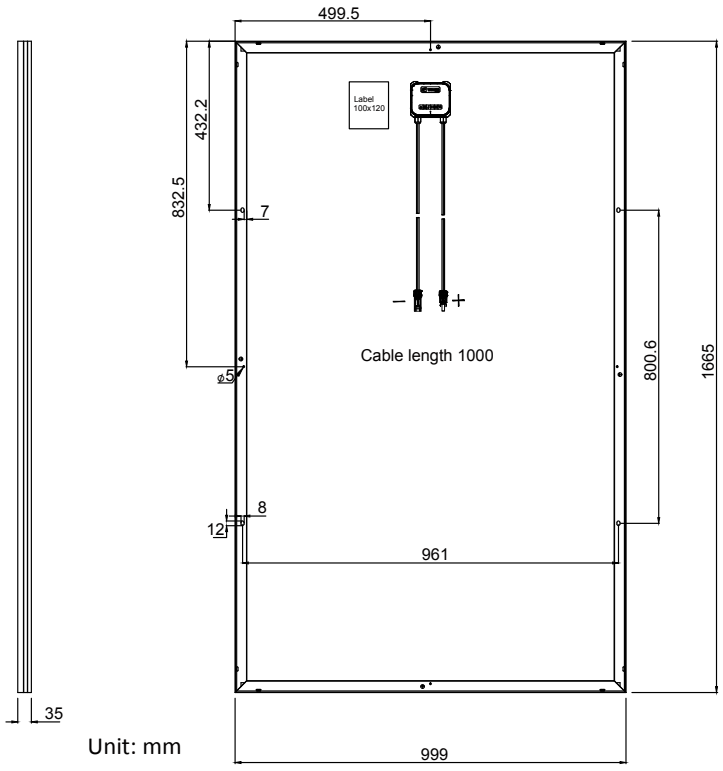

Mechanical data

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 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	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, CEs

Electrical data (STC)		WST-275P6	
Nominal performance	P_{MAX}	275	Wp
Voltage at maximum performance	V_{MP}	31.3	V
Current at maximum performance	I_{MP}	8.81	A
Open circuit voltage	V_{OC}	38.5	V
Short circuit current	I_{SC}	9.41	A
Module efficiency		16.5	%
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-275P6	
Nominal performance	P_{MAX}	201	Wp
Voltage at maximum performance	V_{MP}	28.2	V
Current at maximum performance	I_{MP}	7.15	A
Open circuit voltage	V_{OC}	35.2	V
Short circuit current	I_{SC}	7.69	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.
WINAICO Deutschland GmbH
Industriestraße 68, 97993 Creglingen, GERMANY
Tel + +49 7933 700 300 · Fax + 49 7933 700 3010 · germany@winaico.com · www.winaico.com