



**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**

12 year product warranty.



**Protection against the weather and the elements**

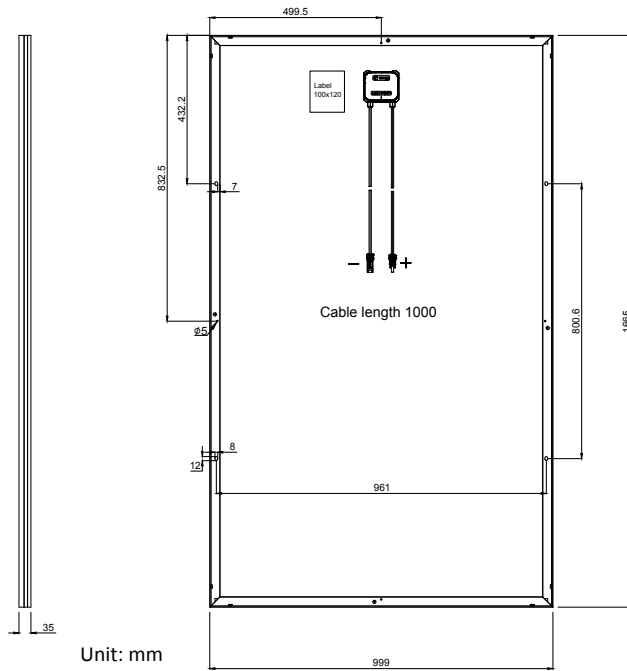
Because long term performance matters.



**2 years of free insurance included**

Because you never know what tomorrow might bring.





**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
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 series fuse	25 A
Maximum load	5,400 Pa
Nominal operating cell temperature NOCT	45°C ±3°C
Temperature coefficient of P <sub>MAX</sub>	-0.43 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.33 %/°C
Temperature coefficient of I <sub>SC</sub>	0.06 %/°C

**Certifications**

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

Electrical data (STC)		WST-270P6	WST-275P6	WST-280P6	
Nominal performance	P <sub>MAX</sub>	270	275	280	Wp
Voltage at maximum performance	V <sub>MP</sub>	31.3	31.3	31.3	V
Current at maximum performance	I <sub>MP</sub>	8.65	8.81	8.97	A
Open circuit voltage	V <sub>OC</sub>	38.3	38.5	38.7	V
Short circuit current	I <sub>SC</sub>	9.31	9.41	9.52	A
Module efficiency		16.2	16.5	16.8	%
Power tolerance		-0/+5			W

Reduction in the module efficiency rating from 1,000W/m<sup>2</sup> to 200W/m<sup>2</sup>: < 4%. The electrical data applies under standard test conditions (STC): solar radiation 1,000W/m<sup>2</sup> with light spectrum AM 1.5, with cell temperature 25°C. Measurement tolerance of P<sub>MAX</sub> at STC: ±3%. Accuracy of other electrical data: ±10%.

Electrical data (NOCT)		WST-270P6	WST-275P6	WST-280P6	
Nominal performance	P <sub>MAX</sub>	198	201	205	Wp
Voltage at maximum performance	V <sub>MP</sub>	28.2	28.2	28.2	V
Current at maximum performance	I <sub>MP</sub>	7.02	7.15	7.28	A
Open circuit voltage	V <sub>OC</sub>	35.0	35.2	35.4	V
Short circuit current	I <sub>SC</sub>	7.61	7.69	7.78	A

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

