





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.

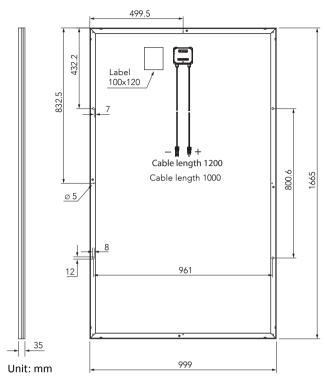


Made in Taiwan

Home of high precision semiconductor manufac-



## Power to Perform



## Mechanical data

Monocrystalline 156.75 x 156.75 mm

silicon cells 60 in series

Quantity and wiring of cells 1,665 x 999 x 35 mm Dimensions

(65.55 x 39.33 x 1.38 in) Weight 18.8 kg (41.4 lbs) 3.2 mm (0.13 in)

Glass thickness Black anodised aluminium Frame

IP 67 Junction hox

MC4 (PV-KBT4/PV-KST4) IP68; Connector type

QC4.10 IP67 Type 1

## Operating conditions

Module fire performance

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 5,400 Pa Maximum load Nominal operating cell temperature NOCT 45±3°C Temperature coefficient of P<sub>MAX</sub> -0.41%/°C Temperature coefficient of V<sub>oc</sub> -0.29%/°C Temperature coefficient of Isc 0.04%/°C

## Certifications

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

Electrical data (STC)		WST-310M6	WST -315M6	
Nominal performance	$P_{\text{MAX}}$	310	315	Wp
Voltage at maximum performance	$V_{MP}$	32.91	33.24	V
Current at maximum performance	I <sub>MP</sub>	9.42	9.48	А
Open circuit voltage	V <sub>oc</sub>	40.25	40.40	V
Short circuit current	I <sub>sc</sub>	10.06	10.16	А
Module efficiency		18.64	18.93	%
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<sub>MAX</sub> at STC: ±3%. Accuracy of other electrical data: ±10%.

Electrical data (NOCT)		WST-310M6	WST-315M6	
Nominal performance	$P_{\text{MAX}}$	230	234	Wp
Voltage at maximum performance	$V_{MP}$	30.21	30.51	V
Current at maximum performance	I <sub>MP</sub>	7.62	7.67	А
Open circuit voltage	V <sub>oc</sub>	38.06	38.21	V
Short circuit current	I <sub>sc</sub>	8.11	8.19	А

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.

