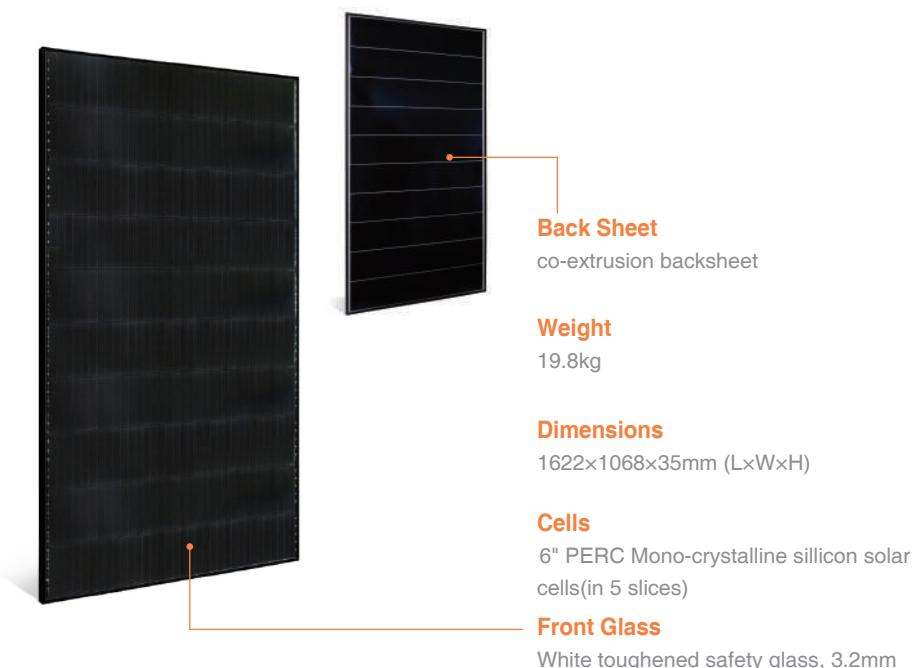
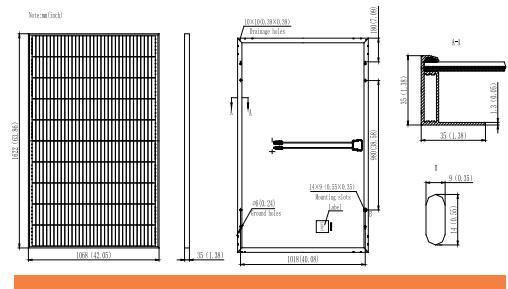




SHINGLED MODULE 60S

With the technical progress and product updates, there will be deviation between the technical parameters of the future TW Solar products and the technical parameters in this profile. TW Solar reserves the right to adjust technical parameters at any time and the final right of interpretation.



Other Characteristics

Packaging	30 pcs/box 840 pcs/40' container 1440 pcs/flat car
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Warranty	10 year Product Workmanship Warranty 25 year Linear Power Warranty
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Temperature Characteristics

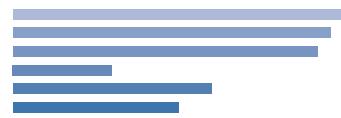
NMOT	42.3°C(±2°C)
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pm	-0.34%/°C

Maximum Ratings

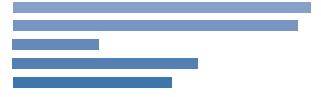
Maximum System Voltage [V]	DC 1500/1000(IEC); DC 1000(UL)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5400
Temperature Range [°C]	-40 to ~ +85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s⁻¹

Electrical Characteristics at STC

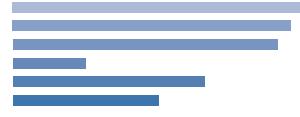
1 Maximum Power-Pm 350
Open Circuit Voltage-Voc 45.4
Short Circuit Current-Isc 9.60
Maximum Power Voltage-Vm 37.6
Maximum Power Current-Im 9.31
Module Efficiency- η 20.0%



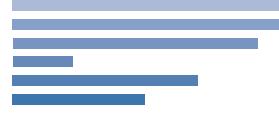
2 Maximum Power-Pm 345
Open Circuit Voltage-Voc 45.3
Short Circuit Current-Isc 9.55
Maximum Power Voltage-Vm 37.5
Maximum Power Current-Im 9.20
Module Efficiency- η 19.9%



3 Maximum Power-Pm 340
Open Circuit Voltage-Voc 45.2
Short Circuit Current-Isc 9.51
Maximum Power Voltage-Vm 37.4
Maximum Power Current-Im 9.09
Module Efficiency- η 19.6%



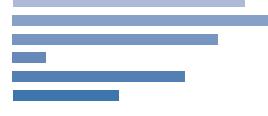
4 Maximum Power-Pm 335
Open Circuit Voltage-Voc 45.2
Short Circuit Current-Isc 9.49
Maximum Power Voltage-Vm 37.3
Maximum Power Current-Im 8.98
Module Efficiency- η 19.3%



5 Maximum Power-Pm 330
Open Circuit Voltage-Voc 45.1
Short Circuit Current-Isc 9.45
Maximum Power Voltage-Vm 37.2
Maximum Power Current-Im 8.87
Module Efficiency- η 19.0%

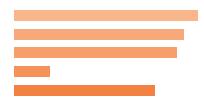


6 Maximum Power-Pm 325
Open Circuit Voltage-Voc 45.1
Short Circuit Current-Isc 9.42
Maximum Power Voltage-Vm 37.1
Maximum Power Current-Im 8.76
Module Efficiency- η 18.8%

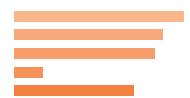


Electrical Characteristics at NMOT

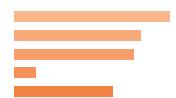
1 Maximum Power-Pm 261
Open Circuit Voltage-Voc 43.0
Short Circuit Current-Isc 7.75
Maximum Power Voltage-Vm 35.6
Maximum Power Current-Im 7.32



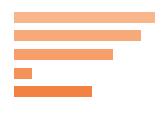
2 Maximum Power-Pm 257
Open Circuit Voltage-Voc 42.9
Short Circuit Current-Isc 7.71
Maximum Power Voltage-Vm 35.5
Maximum Power Current-Im 7.24



3 Maximum Power-Pm 253
Open Circuit Voltage-Voc 42.8
Short Circuit Current-Isc 7.68
Maximum Power Voltage-Vm 35.4
Maximum Power Current-Im 7.15



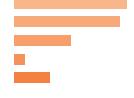
4 Maximum Power-Pm 249
Open Circuit Voltage-Voc 42.8
Short Circuit Current-Isc 7.66
Maximum Power Voltage-Vm 35.3
Maximum Power Current-Im 7.07



5 Maximum Power-Pm 246
Open Circuit Voltage-Voc 42.7
Short Circuit Current-Isc 7.63
Maximum Power Voltage-Vm 35.2
Maximum Power Current-Im 6.98



6 Maximum Power-Pm 242
Open Circuit Voltage-Voc 42.7
Short Circuit Current-Isc 7.61
Maximum Power Voltage-Vm 35.1
Maximum Power Current-Im 6.89



Note

- Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;
- Nominal Module Operating Temperature (NMOT): Irradiance 800W/m²; wind speed 1m/s; ambient temperature 20°C.
- Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

IV Curve

