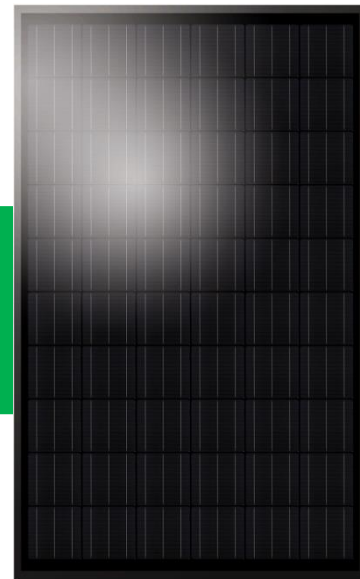


Black Series

TS-FMXXXA3-6100



60 pcs Full Square Mono-Crystalline Silicon Photovoltaic Module



Key Features



Passed 168 hr PID test, maintaining stable efficiency.



Passed 56-days salt spray test, qualified for sea shore installation.



Heavy snow load up to 5400 Pa



Passed ammonia spray test, enhancing its application on farming houses.

5 year product warranty

10 year 90% output performance guaranteed

25 year 80% output performance guaranteed

STC Electrical Characteristics

	285	280	275	270	265	260
Maximum Power (W)	285	280	275	270	265	260
Power Tolerance (%)	0/+2.5%	0/+2.5%	0/+2.5%	0/+2.5%	0/+2.5%	0/+2.5%
Open Circuit Voltage (Voc)	38.69	38.63	38.55	38.48	38.39	38.21
Short Circuit Current (Isc)	9.05	8.99	8.91	8.84	8.79	8.63
Maximum System Voltage (V)	31.98	31.66	31.39	31.19	30.99	30.62
Maximum Series Fuse Rating (A)	8.92	8.85	8.77	8.67	8.57	8.33
Module Efficiency (%)	17.49%	17.18%	16.87%	16.57%	16.26%	15.95%
Maximum Series Fuse Rating (A)	15	15	15	15	15	15
Maximum System Voltage (V)	DC1000	DC1000	DC1000	DC1000	DC1000	DC1000
Operating Temperature (°C)	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85	-40 to 85

* Standard Test Conditions (STC): Solar radiation 1,000 W/m² with light spectrum AM1.5 with a cell temperature of 25°C. Measurement tolerance of P_{mpp} under STC +/-3%. Accuracy of other electrical data +/-10%. Subject to specification changes without notification.

Temperature Characteristics

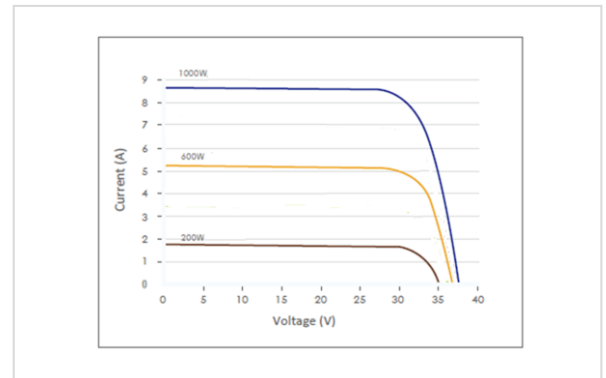
Short Circuit Current Temperature Coefficient	% / °C	0.07
Open Circuit Voltage Temperature Coefficient	% / °C	-0.42
Maximum Power Temperature Coefficient	% / °C	-0.55

Mechanical Characteristics

Cell Type	6" mono-crystalline silicon (Full Square)
Back Sheet Color	Black
Dimensions (LxWxD mm)	1638 x 995 x 40
Weight (kgs)	19
Junction Box	IP65
Standard Packaging (pcs per pallet)	24~26
Module Pieces per container (20 ft. / 40 ft.)	240~260 / 672~728

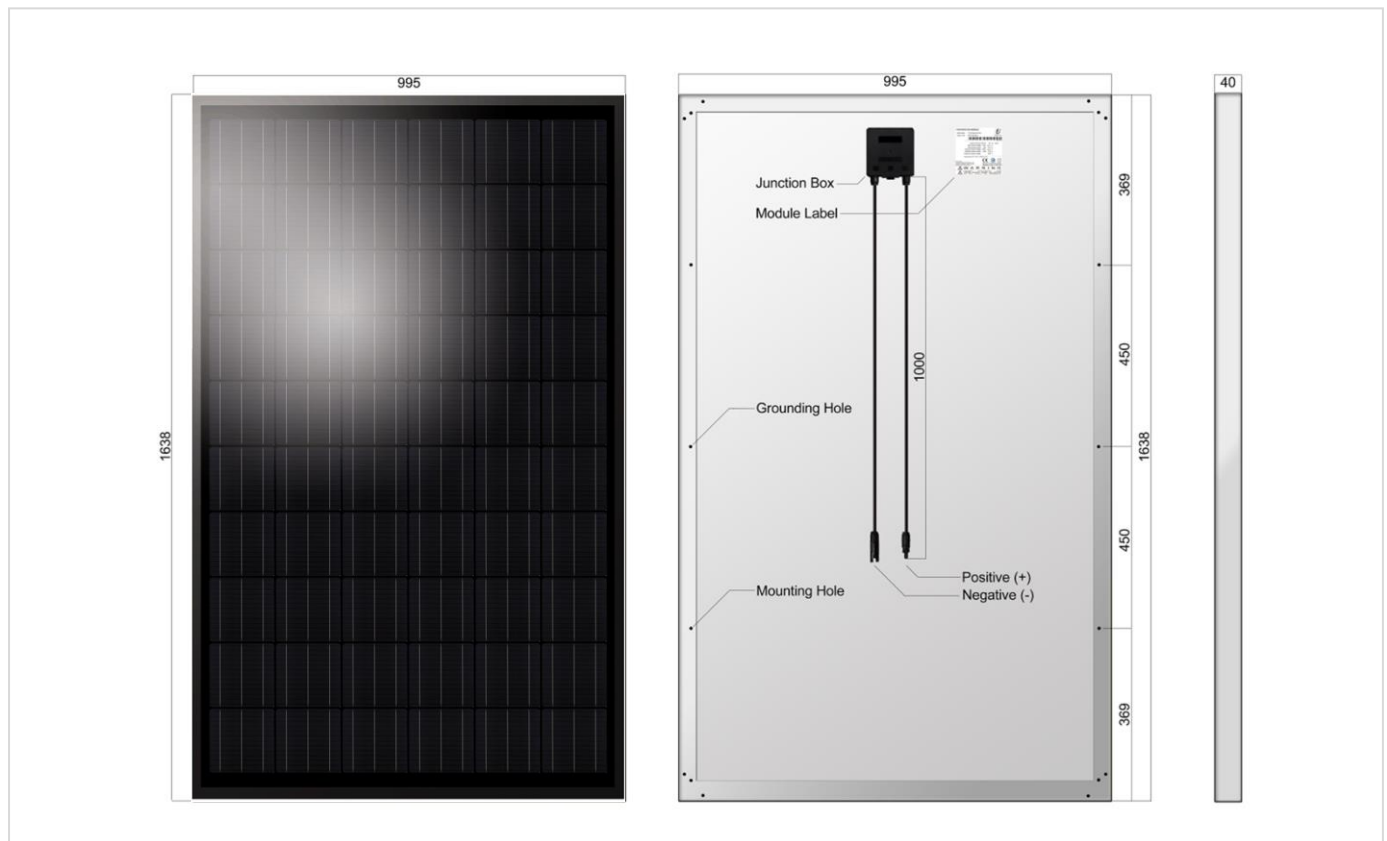
Please contact your sales representative for the entire list of certificates applicable to your products.

IV Curve



Quality Assurance

1. Electrical Insulation Test
2. Outdoor Exposure Test
3. Hot-spot Endurance Test
4. UV-Exposure
5. Thermal Cycling Test
6. Humidity Freeze Test
7. Damp Heat Test
8. Robustness of Terminations
9. Wet Leakage Current Test
10. Mechanical Load Test
11. Hail Impact Test
12. Bypass Diode Thermal Test



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