

TSM250D-24V	TSM245D-24V	TSM240D-24V	TSM235D-24V
TSM230D-24V	TSM225D-24V	TSM220D-24V	
TSM215D-24V	TSM210D-24V		

FEATURES

1. Low voltage-temperature coefficient enhances High-temperature operation.
2. Exceptional low-light performance and high sensitivity to light across the entire solar spectrum maximize yearly energy delivery.
3. 25-year limited warranty on 80% power output, 10-year limited warranty on 90% power output 5-year Limited warranty on materials and workmanship



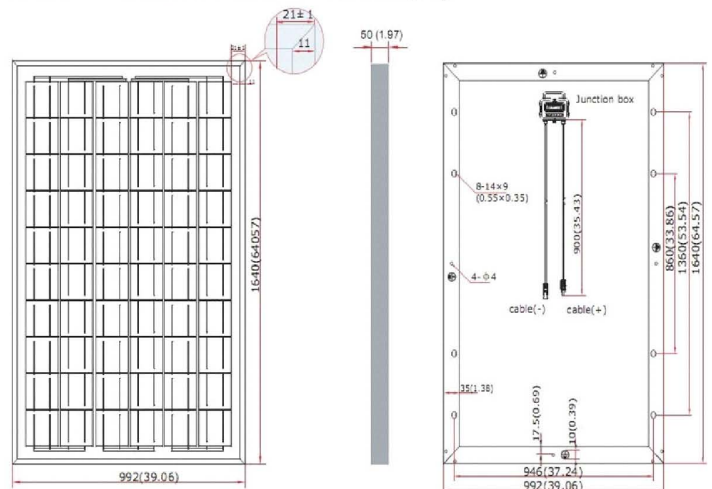
MATERIALS

1. Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance.
2. Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation.
3. A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems.
4. Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells.
5. Strong pressure load capacity up to 5400N/m²

BENEFITS

1. Manufactured in an ISO9001:2000 certified plant.
2. High efficiency, high safety, high reliability.
3. Output power tolerance of 0% to +3%.
4. CE, TUV certificated

PHYSICAL CHARACTERISTICS Unit:mm (inch)



Module:

60 solar cells monocrystalline, 156x 156mm per module, 3 strings, 3 bypass diodes
 Front glass: 3,2 mm, low iron solar glass
 Frame: Anodized aluminum alloy 1640mm x 992mm x 50mm

Junction Box:

Plastic, IP65, TUV certification
 Cable: 4mm² solar cable, length 2x95 (90)cm
 Connectors: MC-4 compatible

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Specification

Module type									
Peak Power	250	245	240	235	230	225	220	215	210
Cell type	Mono Crystalline Silicon, 156mmx156mm								
Number of cells	60 cells in series								
Weight	19.3Kg (42.61bs)								
Dimensions	1640x992x50mm								
Vmp	31.3V	30.8V	30.3V	30.2V	30.1V	30.0V	29.9V	29.7V	29.6V
Imp	7.99A	7.95A	7.92A	7.78A	8.10A	7.50A	7.35A	7.24A	7.10A
Voc	37.1V	37.2V	37.0V	37.0V	37.0V	36.5V	36.5V	36.5V	36.0V
Isc	8.39A	8.35A	8.31A	8.31A	7.65A	8.06A	8.02A	7.85A	7.76A
Max System Voltage	DC 1000V								
TK Isc	0.065%/°C								
TK Voc	-0.346%/°C								
TK Pmax	-0.488%/°C								
Normal Operating Cell Temperature	45.3±2°C								
Standard Test Conditions	AM1.5 1000W/m ² 25°C								

Disclaimer: Specifications are subject to change without notice

ELECTRICAL CHARACTERISTICS

