**MSE PERC 60**
High Power PERC Rooftop Module
All-black PERC with 5 busbar technology

- **CERTIFIED RELIABILITY**
  - Tested to 3X IEC Standards
  - PID Resistant

- **SUPERIOR AESTHETICS**
  - All-black design coupled with outstanding power output
  - Ideal for residential & commercial applications

- **EXTREME WEATHER RESILIENCE**
  - 5600 Pa snow load (117 psf)
  - 175 mph wind rating

- **BAA COMPLIANT FOR GOVERNMENT PROJECTS**
  - Buy American Act
  - American Recovery & Reinvestment Act

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**300-310W**
Class Leading Power Output

**18.65%**
Maximum Efficiency

**-0~+3%**
Positive Power Tolerance

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**High-Power, American Quality**
Mission Solar Energy is headquartered in San Antonio, TX with module facilities onsite. We produce American quality products ensuring the highest power output and reliability to our customers. Our product line is well suited for residential, commercial and utility applications. Every Mission Solar Energy product is certified and surpasses industry standard regulations, proving excellent performance over the long-term.

**CERTIFICATIONS**

IEC 61215/IEC 61730/IEC 61701 UL 1703

*As there are different certification requirements in different markets, please contact your local Mission Solar Energy sales representative for the specific certificates applicable to the products in the region in which the products are to be used.*

www.missionsolar.com | info@missionsolar.com
ELECTRICAL SPECIFICATIONS

Electrical Parameters at Standard Test Conditions (STC)

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Certifications & Tests

- **IEC**: 61215 / 61730 / 61701, Salt mist
- **UL**: UL 1703 listed
- **CEC**

Temperature Coefficients

- Normal Operating Cell Temperature (NOCT): 44°C (±2°C)
- Temperature Coefficient of Pmax: -0.427%/°C
- Temperature Coefficient of Voc: -0.318%/°C
- Temperature Coefficient of Isc: 0.042%/°C

Operating Conditions

- Maximum System Voltage: 1,000VDC
- Operating Temperature Range: -40°C (-40°F) to +90°C (194°F)
- Maximum Series Fuse Rating: 20A
- Fire Safety Classification: Type 1, Class C
- Front & Back Load (UL standard): 5600 Pa (117 psf)
- Hail Safety Impact Velocity: 25mm at 23 m/s

Mechanical Data

- Solar Cells: P-type Mono-crystalline Silicon (156.75mm)
- Cell orientation: 60 cells (6x10), 5 busbar
- Module dimension: 1664mm x 999mm x 40mm (65.51 in. x 39.33 in. x 1.57 in.)
- Weight: 18.2 kg (40.1 lb)
- Front Glass: 3.2mm (0.126 in.) tempered, Low-iron, Anti-reflective coating
- Frame: Anodized aluminum alloy
- Encapsulant: Ethylene vinyl acetate (EVA)
- J-Box: Protection class IP67 with 3 bypass-diodes
- Cables: PV wire, 1m (39.37 in.), 4mm² / 12 AWG
- Connector: MC4 or compatible

Shipping Information

- Container FT (53' Double stack): Pallets 36, Panels 936, 285.48 kW
- Container FT (40' Double stack): Panels 28, Weight 728, 222.04 kW
- Pallet: 26, 1,160lbs, 45.15" Height, 45.00" Width, 66.00" Length