

AE-160M5



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Dimensions(in*in,in)	62.5x31.7x1.8
Conversion Efficiency (%)	12.49%
Maximum power Pmax(W)	160W
Voltage at Pmax(Vmp)	34.6
Current at Pmax(Imp)	4.62
Open Circuit Voltage(Voc)	43.6
Short circuit current(Isc)	5.20

AE-160M5 mono-crystalline silicon solar module utilizes high efficiency mono-crystalline silicon solar cells with the high efficiency, low attenuation, good reliability and long life-span. Using our perfected technology during the 30 years of research and development, the cell's efficiency can reach 16.83% and the module's efficiency can reach 14.05%. the AE-160M5 mono-crystalline silicon solar module has been designed for grid-connected systems and off-grid power system.

Features:

- The module is designed in consistent with national and international standard, manufactured with proven materials and world class equipment and advanced technology.
- Heavy duty anodized aluminum frame with mounting aperture provides high wind resistance and convenient mounting access
- High-power module (AE-160M5) utilizes 125mm×125mm mono-crystalline silicon cells.
- Three bypass diodes reduces hot spot loss
- Textured cell surface reduces the reflection of sunlight and BSF(Black Surface Field) structure to improve cell conversion efficiency.
- White tempered glass, EVA resin, weatherproof film, and aluminum frame for extended outdoor use.
- Normal 24 VCD output, perfect for grid-connected systems
- Clear Anodized Universal Frame. The AE-160M5 solar modules use corrosion resistant clear anodized frames. They are easy to install and are constructed to withstand strong wind, rain, hail, and other adverse weather conditions to enhance module reliability.
- Proven Design Materials and Construction. The mono-crystalline silicon solar cells with improved are laminated between sheets of ethylene vinyl acetate (EVA) and high-clarity low-iron tempered glass. Seventy-two cells are connected in serial with high efficiency and enhanced reliability.
- Watertight Power Connecting Box. The AE-160M5 solar photovoltaic module is encapsulated in a watertight junction box with bypass diodes, reliable watertight electrical plug and socket for power output providing safe, reliable, and convenience connections.
- Warranty. Our modules are manufactured under the ISO 9001:2000 certified processes and facilities.
- Our modules get the CE certification.
- A long time warranty on power output.