



Polycrystalline panel
AEP6-60 250

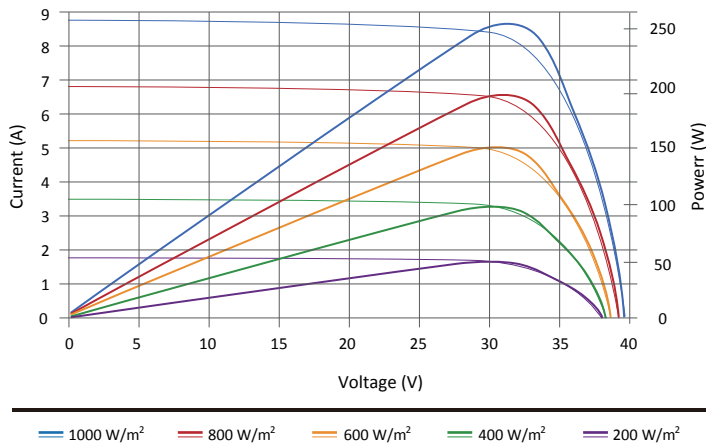
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Electrical Data at Standard Test Conditions (STC)

| | |
|-----------------------------------|---------------------|
| Module Type | AEP6-60 250 |
| Nominal Maximum Power (Pmax) | 250W |
| Optimum Operating Voltage (Vmp) | 31.60V |
| Optimum Operating Current (Imp) | 7.91A |
| Open Circuit Voltage (Voc) | 37.50V |
| Short Circuit Current (Isc) | 8.54A |
| Module Efficiency | 15.34% |
| Operating Temperature | -40 to 85 °C |
| Maximum System Voltage | 1000V _{DC} |
| Maximum Series Fuse Rating | 15A |
| Application Classification | Class A |
| Power Tolerance | ± 3 % |
| Temperature Coefficient | Pmax - 0.46 %/ °C |
| | Voc -0.348 %/ °C |
| | Isc 0.031 %/ °C |
| Normal Operating Cell Temperature | 45 °C (± 2 °C) |

(STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25 °C.

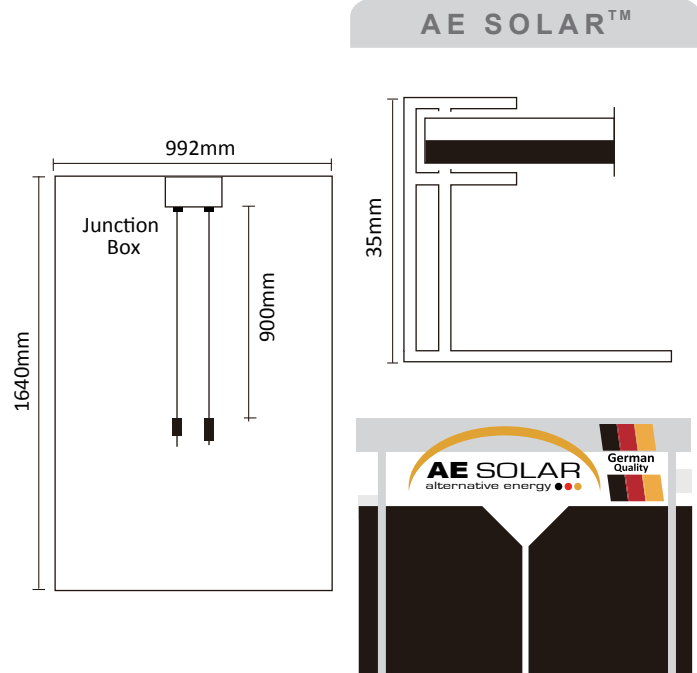
I-V Curves



Warranty & Engineering

| | |
|----------------------|--|
| Product Warranty | 12 years |
| Performance Warranty | 12 years: 90% of nominal power rating 30 years: 80% of nominal power rating |
| Engineering | Designed in Germany, Assembled in China |

Engineering Drawings



Mechanical Data

| | |
|-----------------------------|------------------------------|
| Cell Type | polycrystalline 156 x 156 mm |
| Cell | 6 x 10 high efficiency cells |
| Dimensions | 1640 x 992 x 35 mm |
| Weight | 20.1kg |
| Front Cover | 3.2mm tempered glass |
| Frame Material | anodized aluminum alloy |
| Junction Box | IP67, 6 diodes |
| Cable | 4.0 mm ² / 900 mm |
| Connectors | MC4 or MC4 comparable |
| Max Hail Resistance | 25 mm / 23 m/s |
| Standard Packaging | 26 pcs per pallet |
| Module Pieces per container | 840 pcs 40 ft. container |

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