



BERLIN ALTERNATIVE ENERGY INDUSTRY

Renewable Energy Solutions

El Kilo Circle, Mecca Str. 136, 3rd. Floor, Amman-Jordan www.baeindustry.com

SOLAR MODULES

mono-crystalline solar modules with maximum power of **(265 Wp)** are produced using the state-of-the-art (Automated) robotic production lines. These modules are suitable to be used for most electrical power applications and have excellent durability to prevailing weather conditions

FEATURES

- Optimum maximum conversion efficiency.
- Positive Power tolerance up to 3% extra output.
- High Transparency - low iron tempered solar glass increase energy yield.
- Produced Under systematic quality control covering all processes and check points.
- Fast and Easy Installation.
- Anodized Aluminum Frame for better corrosion resistance.
- Excellent wide variety of solar output modules.

BENEFITS

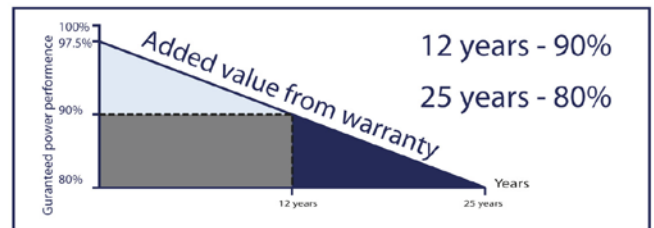
- Outstanding technical Support.
- After Sales-Service.
- 10 Years on material and workmanship Warranty.
- 25 Years Linear Performance Warranty.
- Marketing Support to Official Distributors.
- Customized mounting solutions.

APPLICATIONS

- On-grid residential roof-tops
- On-grid commercial/ industrial roof-tops
- Solar Power plants
- Off-grid systems



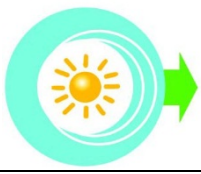
Linear Performance Warranty



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Product PS-M60

MONO-CRYSTALLINE MODULE
(240/245/250/255/260/265)w

Mechanical Characteristics

| MODULE COMPONENTS | VALUES |
|------------------------|---|
| Solar Cells per Module | 60 (6 x 10) in series |
| Cell Type | Grade "A" - Mono-crystalline silicon, 156 x 156 mm ² |
| Front Surface | Low Iron Tempered 3.2mm Solar Glass |
| Encapsulant | Fastcure EVA |
| Back Cover | Backsheet |
| Frame Material | Anodized / Frame With I Beam Support |
| Connection | IP65 Junction Box |
| Number of diodes | 3 Bypass diodes |
| Output Cables | Solar Cable with MC4 interconnection |

Temperature Characteristics

| | UNIT | VALUES |
|-------------------------------|------|------------|
| Voc Temperature Coefficient | %/C° | -0.36 |
| Isc Temperature Coefficient | %/C° | 0.02 |
| Power Temperature Coefficient | %/C° | -0.48 |
| Operating Module Temperature | C° | -40 To +85 |
| NOCT | C° | 46 |
| Fire Classification | | C |

* Temperature coefficient may vary $\pm 5\%$

Electrical Characteristics

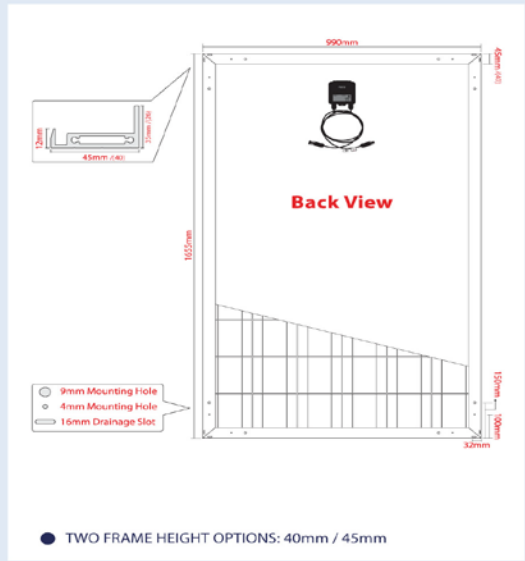
| STC | Units | 240w | 245w | 250w | 255w | 260w | 265w |
|-------------------------------|---------|-------|-------|-------|-------|-------|-------|
| Maximum System Voltage | Vdc | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Open Circuit Voltage (Voc) | Voc | 37.24 | 37.4 | 37.72 | 38 | 38.2 | 38.32 |
| Short Circuit Current (Isc) | Isc | 8.23 | 8.39 | 8.87 | 8.95 | 9.05 | 9.15 |
| Rated voltage @ maximum power | Vmpp | 29.86 | 29.96 | 30.31 | 30.44 | 30.59 | 30.71 |
| Rated current @ maximum power | Impp | 8.04 | 8.18 | 8.25 | 8.38 | 8.5 | 8.63 |
| Rated Maximum Power @ STC | PMAX | 240 | 245 | 250 | 255 | 260 | 265 |
| Maximum Series Fuse | [A] | 15 | 15 | 15 | 15 | 15 | 15 |
| Module Efficient [%] | η' | 14.64 | 14.95 | 15.25 | 15.56 | 15.86 | 16.17 |

STC: Irradiance 1000 w/m², AM: 1.5, T_c: 25 C°

| WARRANTY | VALUES |
|--------------|--|
| Power Output | 12 Years 90% of Minimum Power Output 25 Years 80% of Minimum Power Output |
| Product | 10 Years |

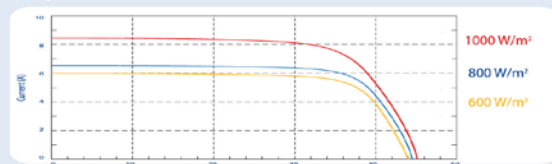
| PACKAGING | VALUES | |
|--------------------|--|---|
| Container Capacity | 20 Feet 264 Panels /(300) 40 Feet 616 Panels /(700) | Each Pallet contains 22 (25) Modules |

PV Module



| DIMENSIONS and WEIGHT | VALUES |
|------------------------|-------------------------|
| Dimensions [mm] | 1655 x 990 x 45 or (40) |
| Weight [kg] | ~ 19.8 |
| Pallet Dimensions [mm] | 1698 x 1138 x 1090 |

IV - CURVE



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