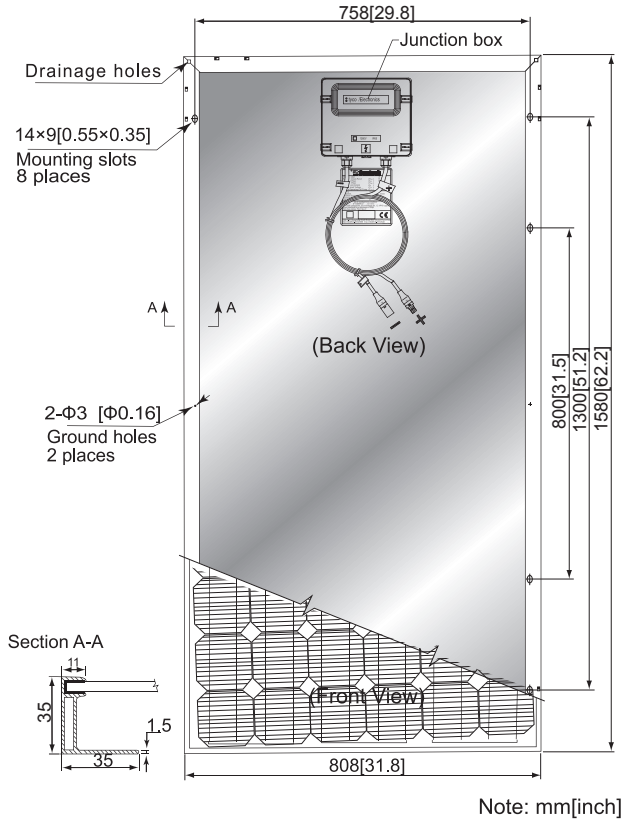




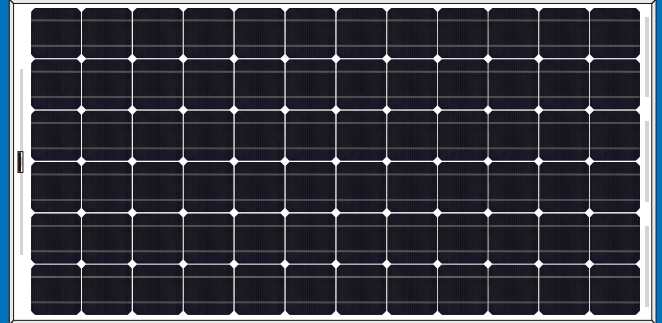
# mono-crystalline solar modules

HR-160W/24V HR-165W/24V HR-170W/24V  
HR-175W/24V HR-180W/24V

## Module Diagram



## High Efficiency, High Quality PV Module



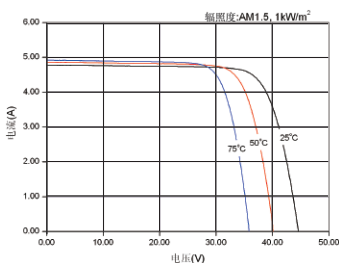
### Temperature and Limits

|                                 |   |
|---------------------------------|---|
| Max series Fuse                 | 15A   |
| No. of Diode                    | 3   |
| Number of cells                 | 72  |
| MAX system voltage              | 1000VDC   |
| Temperature coefficients of Pm  | -0.37%/°C   |
| Temperature coefficients of Voc | -0.34%/°C   |
| Temperature coefficients of Isc | -0.09%/°C   |
| NOCT                            | 45°C±2 °C   |
| Output Tolerance                | ±3%   |
| Size of module                  | 1580× 808× 35mm   |
| Cable Length                    | 900mm   |
| Weight per piece                | 15.5kg  |
| Packing Configuration           | 2pcs per carton   |
| Operating temperature           | -40°C to 85°C   |
| Standard Test conditions        | STC: AM1.5, 1000W/M <sup>2</sup><br>Module Temperature 25°C |

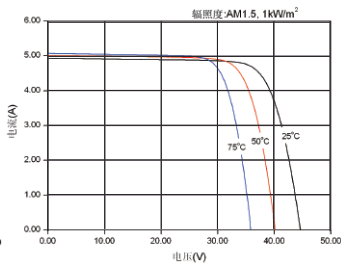
## Characteristics

| CEL L TYPE                 | 125×125 MONO SOLAR CELL |             |             |             |             |
|----------------------------|-------------------------|-------------|-------------|-------------|-------------|
| ITEM                       | HR-160W/24V             | HR-165W/24V | HR-170W/24V | HR-175W/24V | HR-180W/24V |
| MAX Power (Wp)             | 160                     | 165         | 170         | 175         | 180         |
| MAX Power Voltage(Vm)      | 34.40                   | 34.80       | 35.20       | 35.60       | 35.80       |
| MAX Power Current (Im)     | 4.65                    | 4.75        | 4.83        | 4.91        | 5.00        |
| Open Circuit Voltage       | 43.20                   | 43.60       | 44.00       | 44.40       | 44.80       |
| Short circuit current(Isc) | 5.00                    | 5.07        | 5.14        | 5.21        | 5.30        |

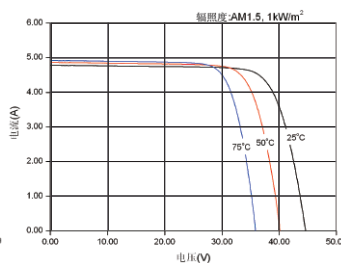
Characteristics  
Module IV Graph 165W



Characteristics  
Module IV Graph 170W



Characteristics  
Module IV Graph 175W



Characteristics  
Module IV Graph 180W

