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## 5W AMORPHOUS SILICON SOLAR MODULE

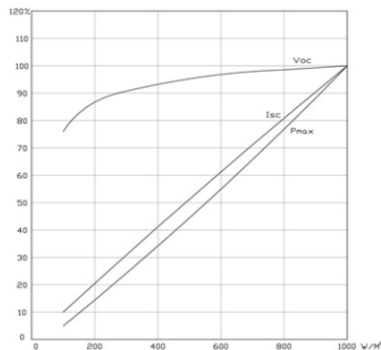
### ELECTRICAL CHARACTERISTICS

|   |                             |
|---|-----------------------------|
| Cell Type   | A-Si thin film solar module |
| Norminal Power  | Pmax=5W                     |
| Open Circuit Voltage  | Voc=26.7                    |
| Short Circuit Current   | Isc=401mA                   |
| Voltage at Pmax   | Vm=18V                      |
| Current at Pmax   | Im=278mA                    |
| Temp.Coefficient/Pm   | -(0.19±0.03)%/°C            |
| Temp.Coefficient/Vm   | -(0.34±0.04)%/°C            |
| Temp.Coefficient/Im   | (0.08±0.02)%/°C             |
| STANDARD TEST CONDITIONS(STC:Irrandiance 1000W/m <sup>2</sup> , Module temperature 25 degrees centigrade,AM 1.5 )<br>Power Tolerance: ±5% |                             |

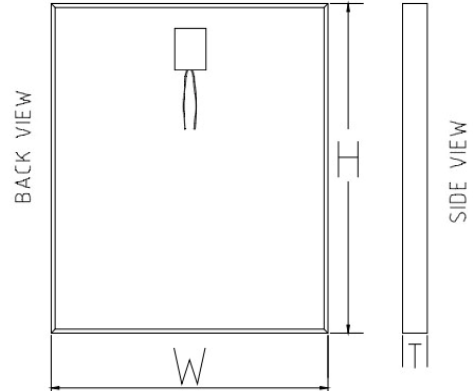
### RELIABILITY STATISTICS

|  |                           |
|--|---------------------------|
| Operating Temperature Range                        | -40°C to +90°C            |
| Humidity & Temperature Test                        | 85°C & 85% humidity 1000h |
| Junction Box                                       | IP65 rated                |
| Outstanding performance under low light irradiance |                           |

### PERFORMANCE & IRRADIANCE CURVE



### DIMENSIONS



Item No: **KS-A5W**

| H            | W            | T          |
|--------------|--------------|------------|
| 385mm/15.16" | 322mm/12.68" | 18mm/0.71" |

### MECHANICAL SPECIFICATIONS

|                           |                          |
|---------------------------|--------------------------|
| Dmensions(H*W*T) as above | 385*322*18mm             |
| Weight                    | 1.5kg                    |
| Front Cover               | TCO Glass                |
| Back Cover                | PET                      |
| Frame                     | Sliver anodized aluminum |
| Output Lead Wire          | Waterproof wire          |

### APPEARANCE SPECIFICATIONS

|  |
|--|
| Delaminations or bubbles do not form a continuous path between any part of the electrical circuit and the edge of module |
| No any cracks, scratch or perforation in the glass or the backsheet  |

### PROPERTY FOR SYSTEM DESIGN

|   |   |
|---|---|
| Series Fuse Rating                            | 1A  |
| Maximum System Voltage                        | 600V                                      |
| Module Life                                   | 90% output for 10 years, 80% for 20 years |
| Recommended applications for Off-grid systems |   |

### THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

Design and specifications are subject to change without notice

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