

## Alpen Steel | Renewable Energy

*Alpen Steel*

### Multicrystalline 10/12

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|                                  |   |
|----------------------------------|---|
| <b>ELECTRICAL CHARACTERISTIC</b> | <b>: AS-10/12</b>                             |
| Maximum power (Pmax)             | : 10W   |
| Voltage at Pmax (Vmp)            | : 17V   |
| Current at Pmax                  | : 0.58A                                       |
| Open-circuit voltage (Voc)       | : 21.6V                                       |
| Short-Circuit current (Isc)      | : 0.68A                                       |
| Temperature coefficient of Voc   | : $(0.065 \pm 0.015)\% / ^\circ\text{C}$      |
| Temperature coefficient of Isc   | : $-(80 \pm 10)\text{mV} / ^\circ\text{C}$    |
| Temperature coefficient of power | : $-(0.5 \pm 0.05)\% / ^\circ\text{C}$        |
| NOCT (Air 20c, Sun 0.8kW/m)      | : $47 \pm 2 ^\circ\text{C}$                   |
| Operating Temperature            | : $-40 ^\circ\text{C}$ to $85 ^\circ\text{C}$ |
| Maximum system voltage           | : 600V DC                                     |
| Power tolerance                  | : $\pm 5\%$                                   |

*\*STC: Irradiance 1000W/m, AM1.5 spectrum, module temperature 25 C*

|                              |   |
|------------------------------|---|
| <b>SPECIFICATION</b>         | <b>: AS-2/6</b>                                 |
| Cells                        | : Multicrystalline silicon solar cell           |
| No. of cells and connections | : 36(4X9)                                       |
| Module Dimension             | : 300mm[11.81in.]x355mm[13.98in.]x18mm[0.71in.] |
| Weight                       | : 1.5Kg [3.31lbs]                               |

*\* Specifications are subject to change without notice at any time.*

[Vendor Information](#)