

## Alpen Steel | Renewable Energy

Alpen Steel

### Multicrystalline 165/24

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ELECTRICAL CHARACTERISTIC	: AS-165/24
Maximum power (Pmax)	: 165W
Voltage at Pmax (Vmp)	: 34.4V
Current at Pmax	: 4.8A
Open-circuit voltage (Voc)	: 43.2V
Short-Circuit current (Isc)	: 5.34A
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

SPECIFICATION	AS-165/24
Cells	: Multicrystalline silicon solar cell
No. of cells and connections	: $72(6 \times 12)$
Module Dimension	: $1364\text{mm}[53.70\text{in.}] \times 992\text{mm}[39.06\text{in.}] \times 50\text{mm}[1.97\text{in.}]$
Weight	: 16.9kg[37.26lbs]

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

[Vendor Information](#)