

## Alpen Steel | Renewable Energy

*Alpen Steel*

### Multicrystalline 160/24

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<b>ELECTRICAL CHARACTERISTIC</b>	<b>: AS-160/24</b>
Maximum power (Pmax)	: 160W
Voltage at Pmax (Vmp)	: 34.4V
Current at Pmax	: 4.65A
Open-circuit voltage (Voc)	: 43.2V
Short-Circuit current (Isc)	: 5.17A
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-160/24</b>
Cells	: Multicrystalline silicon solar cell
No. of cells and connections	: $72(6 \times 12)$
Module Dimension	: $1330\text{mm}[52.36\text{in.}] \times 992\text{mm}[39.06\text{in.}] \times 50\text{mm}[1.97\text{in.}]$
Weight	: 16.5kg[36.38lbs]

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

[Vendor Information](#)