

Alpen Steel | Renewable Energy

Alpen Steel

Multicrystalline 140/24

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ELECTRICAL CHARACTERISTIC	: AS-140/24
Maximum power (Pmax)	: 140W
Voltage at Pmax (Vmp)	: 34.4V
Current at Pmax	: 4.07A
Open-circuit voltage (Voc)	: 43.2V
Short-Circuit current (Isc)	: 4.53A
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-140/24
Cells	: Multicrystalline silicon solar cell
No. of cells and connections	: $72(4 \times 18)$
Module Dimension	: $1733\text{mm}[68.23\text{in.}] \times 672\text{mm}[26.46\text{in.}] \times 40\text{mm}[1.58\text{in.}]$
Weight	: 15.4kg[33.95lbs]

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

[Vendor Information](#)