

## Alpen Steel | Renewable Energy

*Alpen Steel*

### Multicrystalline 100/12

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<b>ELECTRICAL CHARACTERISTIC</b>	<b>:</b>	<b>AS-100/12</b>
Maximum power (Pmax)	:	100W
Voltage at Pmax (Vmp)	:	17.2V
Current at Pmax	:	5.8A
Open-circuit voltage (Voc)	:	21.6V
Short-Circuit current (Isc)	:	6.46A
Temperature coefficient of Voc	:	(0.065±0.015)%/ °C
Temperature coefficient of Isc	:	-(80±10)mV/°C
Temperature coefficient of power	:	-(0.5±0.05)%/ °C
NOCT (Air 20c, Sun 0.8kW/m)	:	47±2°C
Operating Temperature	:	-40°C to 85°C
Maximum system voltage	:	600V DC
Power tolerance	:	± 5%

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

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<b>SPECIFICATION</b>	<b>Â</b>	<b>AS-100/12</b>

Cells	:	Multicrystalline silicon solar cell
No. of cells and connections	:	36(4X9)

[Vendor Information](#)