

## ALVOLTA ECLIPSE MAX 100W SOLAR PANEL

### ALV-100SP-MAX

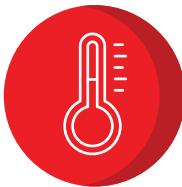
#### Key Features:



Up to 22.7% module efficiency



Weatherproof, IP65 sealed junction box



Low voltage-temperature coefficient



Sturdy, anodized aluminium frame



Pre-wired 900mm cable with MC4 connectors

#### Suitable for:



**5** YEAR  
PANEL  
WARRANTY

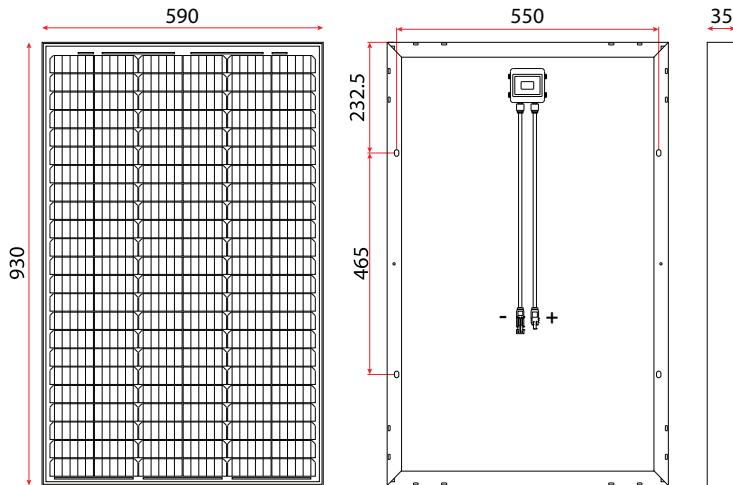
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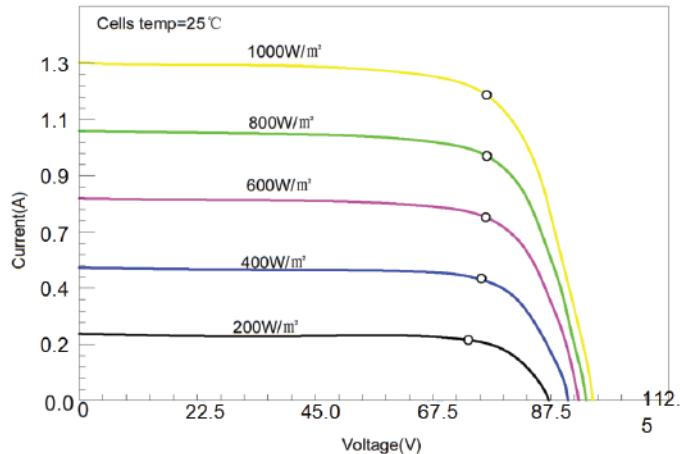
### Electrical Data:

Maximum Power	100W
Optimum Operating Voltage	80.0V
Optimum Operating Current	1.25A
Open Circuit Voltage	93.6V
Short Circuit Current	1.31A
Module Efficiency	22.7%
Maximum System Voltage	1000V DC
Power Tolerance	±3%

### Module Diagram:



### IV-Curve:



### Mechanical Data:

Solar Cells	Monocrystalline 182mm Cells
No. of Cells	138 (6 x 23)
Dimensions	930 x 590 x 35mm
Weight	6.12kg
Frame	Anodized Aluminium
Junction Box	IP65 Rated
Connectors	MC4 Style
Output Cables	4mm², 900mm

### Thermal Data:

Operating Temperature Range	-40°C to +85°C
Temperature Coefficient (Pmax)	-0.35%/°C
Temperature Coefficient (Voc)	-0.275%/°C
Temperature Coefficient (Isc)	-0.045%/°C

2011/ 65/ EU and amending directive (EU)2015/863

EN IEC 62368-1:2020+A11:2020

\*All data and specifications provided in this datasheet are tested under standard test conditions, and may deviate marginally from actual values. Alvolta and its associates reserve the right to make modifications to the provided information without notice. Alvolta maintains the goal to supply customers with the most recent information regarding its products.