ALVOLTA
BUILT FOR POWER

ALVOLTA ECLIPSE 12V 100W SOLAR PANEL
ALV-100SP

Key Features:

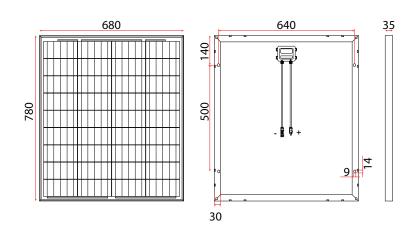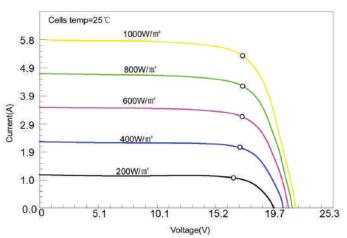| Up to 20.6% module efficiency	Weatherproof, IP65 sealed junction box	Low voltage-temperature coefficient	Sturdy, anodized aluminium frame	Pre-wired 900mm cable with MC4 connectors

Suitable for:

5 YEAR PANEL WARRANTY

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Electrical Data:

Maximum Power	100W
Optimum Operating Voltage	18.0V
Optimum Operating Current	5.56A
Open Circuit Voltage	21.2V
Short Circuit Current	5.89A
Module Efficiency	22.4%
Maximum System Voltage	1000V DC
Power Tolerance	±3%

Module Diagram:

IV-Curve:

Mechanical Data:

Solar Cells	Monocrystalline 158mm Cells
No. of Cells	36 (4 x 9)
Dimensions	780 x 680 x 35mm
Weight	5.98kg
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)	-0.38%/°C
Temperature Coefficient (Voc)	-0.36%/°C
Temperature Coefficient (Isc)	-0.07%/°C

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

CE EN IEC 62368-1:2020+A11:2020