



ALVOLTA ECLIPSE 12V 160W SOLAR PANEL

ALV-160SP

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

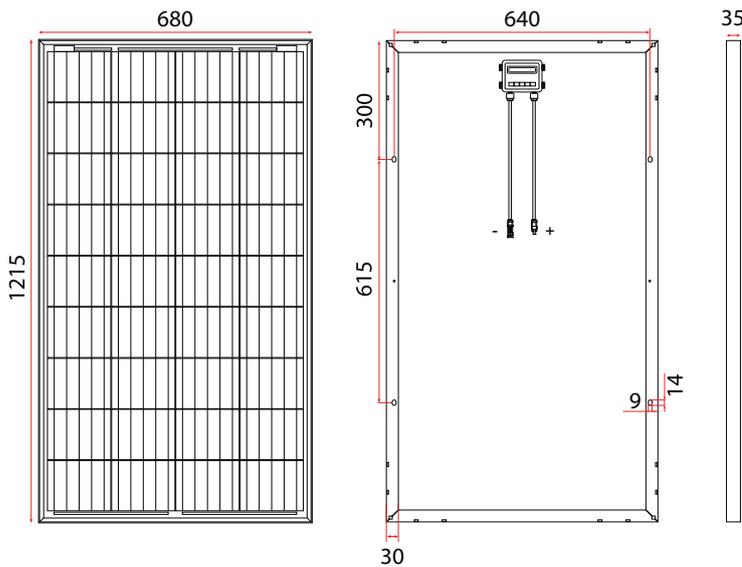
ALVOLTA ECLIPSE 12V 160W SOLAR PANEL

ALV-160SP

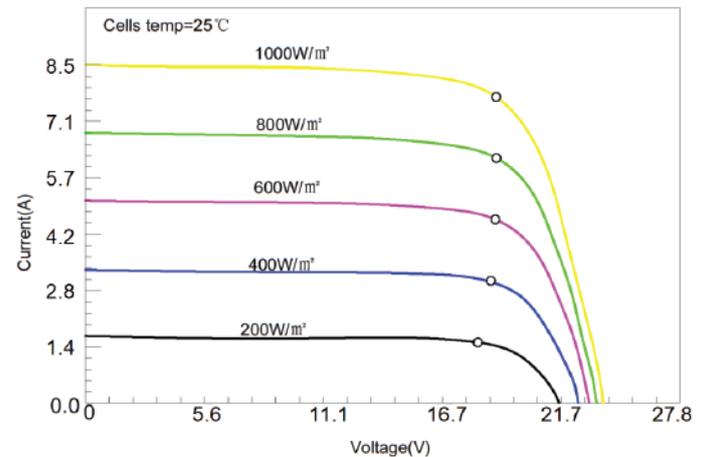
Electrical Data:

Maximum Power	160W
Optimum Operating Voltage	19.8V
Optimum Operating Current	8.08A
Open Circuit Voltage	23.2V
Short Circuit Current	8.73A
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	1215 x 680 x 35mm
Weight	8.84kg
Frame	Anodized Aluminium
Junction Box	IP65 Rated
Connectors	MC4 Style
Output Cables	4mm ² , 900mm

Thermal Data:

Operating Temperature Range	-40°C to +85°C
Temperature Coefficient (P _{max})	-0.38%/°C
Temperature Coefficient (V _{oc})	-0.36%/°C
Temperature Coefficient (I _{sc})	-0.07%/°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.