

ALVOLTA ECLIPSE 12V 50W SOLAR PANEL

ALV-050SP

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

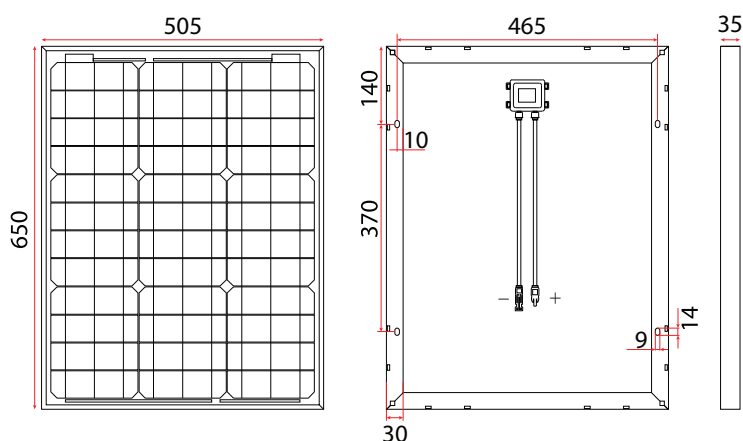
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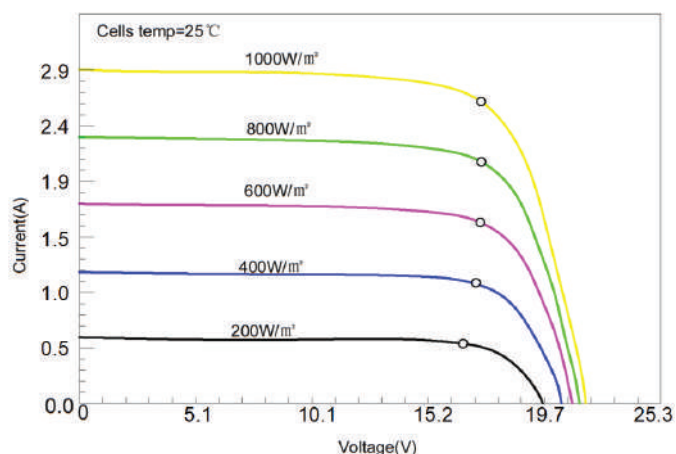
Electrical Data:

Maximum Power	50W
Optimum Operating Voltage	18.0V
Optimum Operating Current	2.78A
Open Circuit Voltage	21.2V
Short Circuit Current	2.95A
Module Efficiency	20.6%
Maximum System Voltage	600V DC
Power Tolerance	±3%

Module Diagram:



IV-Curve:



Mechanical Data:

Solar Cells	Monocrystalline 156mm Cells
No. of Cells	36 (3 x 12)
Dimensions	650 x 505 x 35mm
Weight	3.9kg
Frame	Anodized Aluminium
Junction Box	IP65 Rated
Connectors	MC4 Style
Output Cables	2.5mm², 500mm

Thermal Data:

Operating Temperature Range	-40°C to +85°C
Temperature Coefficient (Pmax)	-0.43%/°C
Temperature Coefficient (Voc)	-0.34%/°C
Temperature Coefficient (Isc)	-0.05%/°C

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

EN IEC 62368-1:2020+A11:2020

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