

ALVOLTA ECLIPSE MAX 50W SOLAR PANEL

ALV-050SP-HV

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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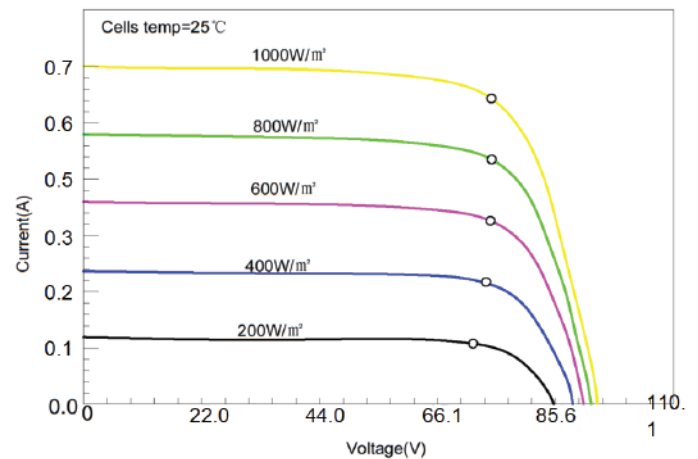
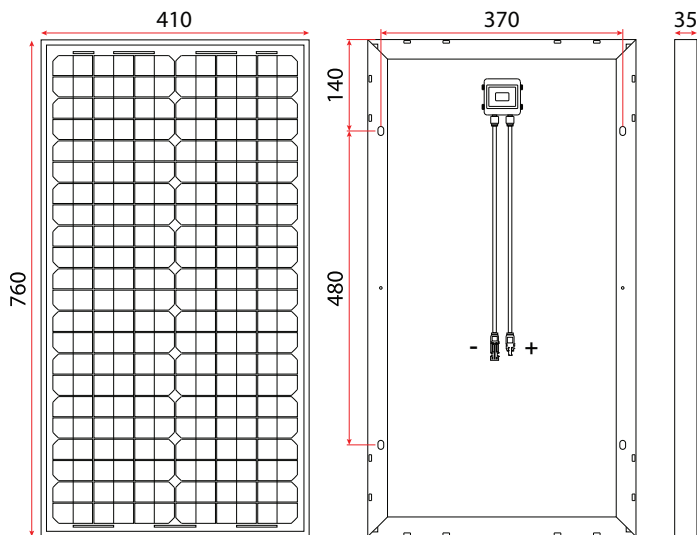
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Electrical Data:

Maximum Power	50W
Optimum Operating Voltage	78.3V
Optimum Operating Current	0.64A
Open Circuit Voltage	90.2V
Short Circuit Current	0.68A
Module Efficiency	22.7%
Maximum System Voltage	600V DC
Power Tolerance	±3%

Module Diagram:

IV-Curve:



Mechanical Data:

Solar Cells	Monocrystalline 182mm Cells
No. of Cells	132 (6 x 22)
Dimensions	760 x 410 x 35mm
Weight	3.36kg
Frame	Anodized Aluminium
Junction Box	IP65 Rated
Connectors	MC4 Style
Output Cables	2.5mm², 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

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