

## ALVOLTA ECLIPSE 12V 40W SOLAR PANEL

ALV-040SP

### 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 40W SOLAR PANEL

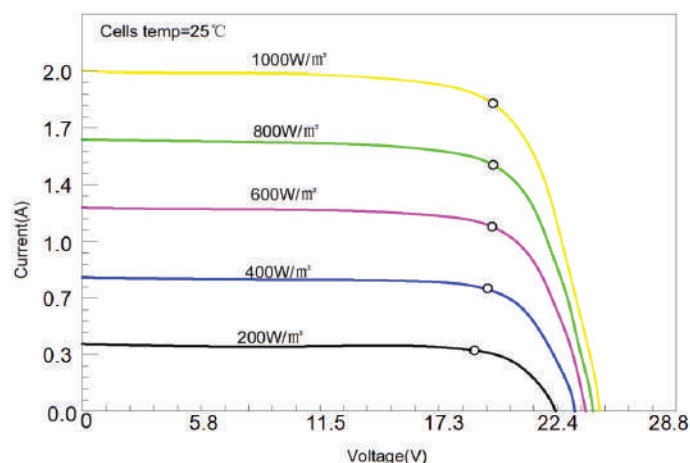
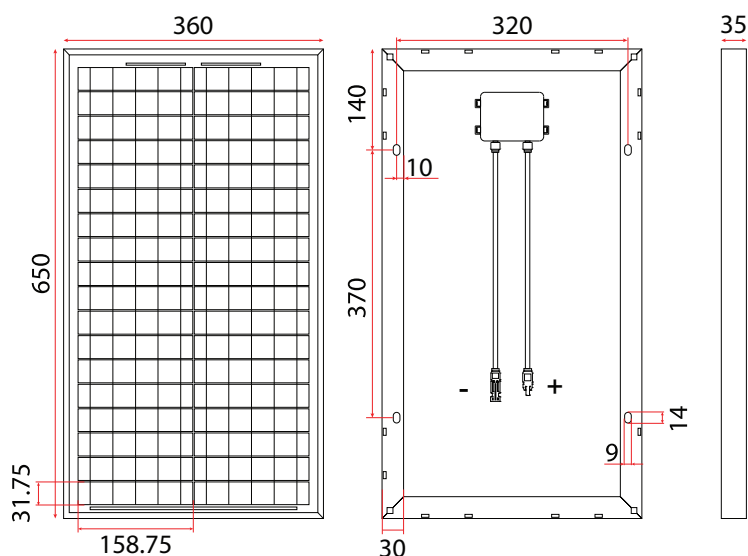
## ALV-040SP

### Electrical Data:

Maximum Power	40W
Optimum Operating Voltage	20.5V
Optimum Operating Current	1.96A
Open Circuit Voltage	24.0V
Short Circuit Current	2.05A
Module Efficiency	22.4%
Maximum System Voltage	600V DC
Power Tolerance	±3%

### Module Diagram:

### IV-Curve:



### Mechanical Data:

Solar Cells	Monocrystalline 158mm Cells
No. of Cells	36 (2 x 18)
Dimensions	650 x 360 x 35mm
Weight	2.91kg
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)	-0.38%/°C
Temperature Coefficient (Voc)	-0.36%/°C
Temperature Coefficient (Isc)	-0.07%/°C

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

CE 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.