



ALVOLTA ECLIPSE 12V 20W SOLAR PANEL

ALV-020SP

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

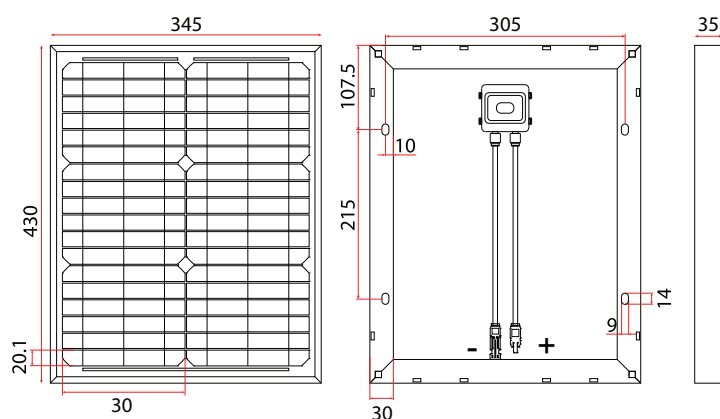
ALVOLTA ECLIPSE 12V 20W SOLAR PANEL

ALV-020SP

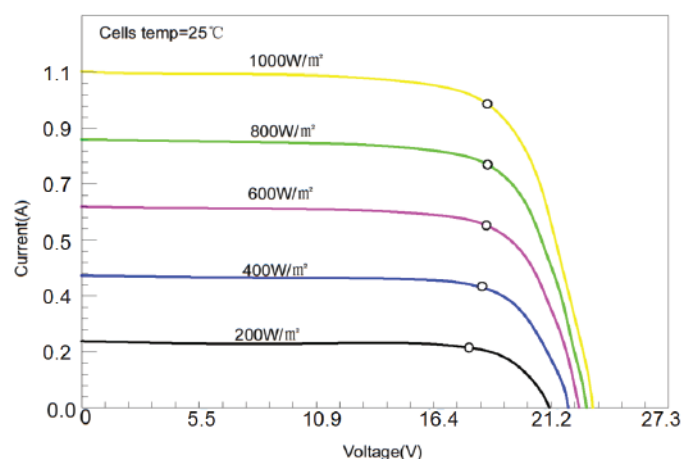
Electrical Data:

| | |
|---------------------------|---------|
| Maximum Power | 20W |
| Optimum Operating Voltage | 19.4V |
| Optimum Operating Current | 1.04A |
| Open Circuit Voltage | 22.9V |
| Short Circuit Current | 1.09A |
| 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 (2 x 18) |
| Dimensions | 430 x 345 x 35mm |
| Weight | 1.92kg |
| 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

*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.