



ALVOLTA ULTRA 440W SLIM PORTABLE SOLARCASE

ALV-440SP

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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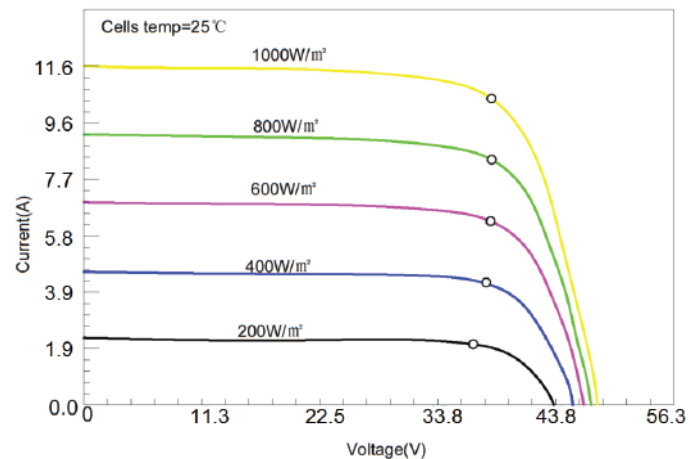
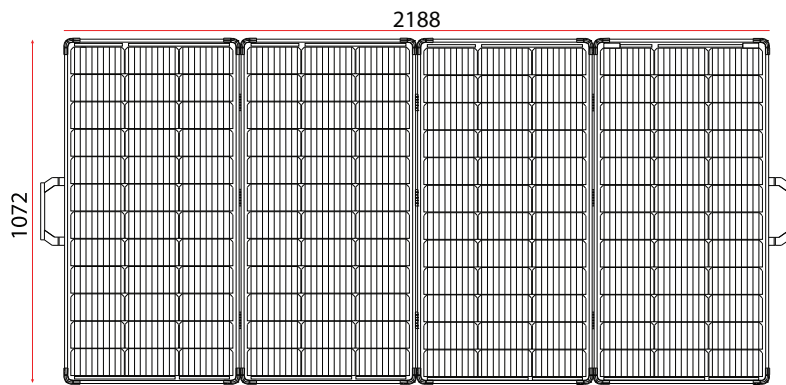
ALV-440SPC

Electrical Data:

Maximum Power	440W
Optimum Operating Voltage	40.0V
Optimum Operating Current	11.0A
Open Circuit Voltage	48.0V
Short Circuit Current	12.0A
Module Efficiency	22.8%
Maximum System Voltage	200V DC
Power Tolerance	±3%

Module Diagram:

IV-Curve:



Mechanical Data:

Solar Cells	Monocrystalline 166mm Cells
No. of Cells	144 (3 x 12 x 4)
Dimensions	1072 x 547 x 90mm (folded)
Dimensions	1130 x 590 x 100mm (inside case)
Weight	12.84kg
Frame	Anodized Aluminium
Junction Box	IP68 Rated
Connectors	MC4 Style
Output Cables	4mm², 900mm

Thermal Data:

Operating Temperature Range	-20°C to +70°C
Temperature Coefficient (Pmax)	-0.38%/°C
Temperature Coefficient (Voc)	-0.36%/°C
Temperature Coefficient (Isc)	-0.05%/°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.

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Inclusions:

- Solarcase
- Heavy-Duty Carry Case for Solarcase
- 10m 6mm² Extension Lead
- Parallel Connection Lead with Anderson-Type Connectors
- Alligator Clips for Battery Connection
- Heavy-Duty Carry Case for Cabling Accessories

