

420W MONO BIFACIAL SOLAR MODULE

ELECTRICAL PARAMETERS @ STC

Peak Power	P _{max} (W)	420
Maximum Power Voltage	V _{mp} (V)	31.22
Maximum Power Current	I _{mp} (A)	13.14
Open-circuit voltage	V _{oc} (V)	37.34
Short-circuit current	I _{sc} (A)	13.70
Module Efficiency	η(%)	21.00

Values at standard test conditions STC (Air mass AM1.5, Irradiance 1000W/sqm, Cell temperature 25°C)
Power Measurement Tolerance: 0 / +3%

MECHANICAL DATA

Solar Cell (type / dimension)	Mono-crystalline solar cells / 182*91mm
Cell Amount	6 x 18
Module Dimension (L x W x H)	1722mm x 1134mm x 30mm
Weight	20.5kg
Frame (material)	Aluminum Alloy
Front Glass (material / thickness)	High transmission low-iron tempered glass / 3.2mm
Backsheet (material)	Fluoropolymer coating / PET / polyolefin
Mechanical Load	Wind/Snow 2400/5400 Pa
Junction Box (protection degree)	IP 68
Output Cables	Length can be customized
Connector	MC4 compatible
Application Level	Class A

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	45 +/- 2°C
Voltage Temperature Coefficient (VOC)	-0.28% / °C
Current Temperature Coefficient (Isc)	0.05% / °C
Power Temperature Coefficient (Pmax)	-0.34% / °C

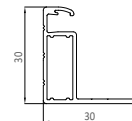
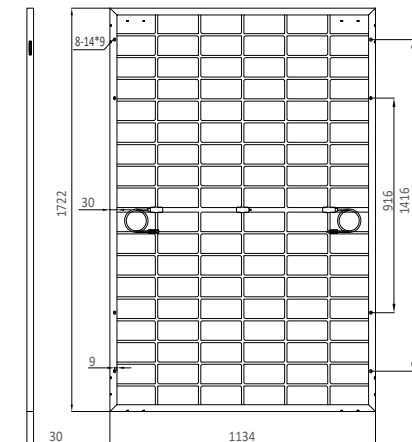
MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	25A

WARRANTY

Warranty	25 years Power Output Warranty 10 years 90%, 25 years 85% 10 years Product Warranty on Material
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MECHANICAL DRAWING



I-V CURVE

