



SOLAR ROOF

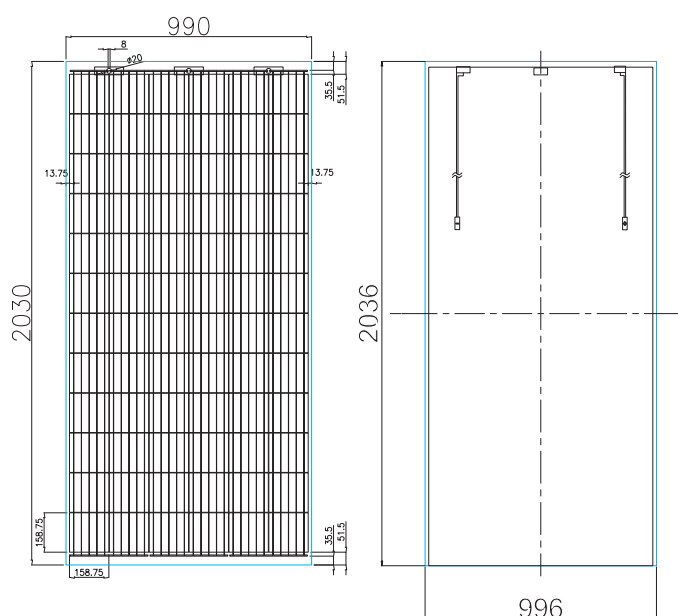
Black Slate Facing

High Efficiency Mono Module

320W

1000V

ENGINEERING DRAWING (mm)



ELECTRICAL DATA | STC*

SPECIFICATIONS	SOLAR ROOF BLACK SLATE
Nominal Max. Power (P _{max})	320W
MPP Operating Voltage (V _{mp})	41.7V
MPP Operating Current (I _{mp})	7.67A
Open Circuit Voltage (V _{oc})	48.2V
Short Circuit Current (I _{sc})	8.42A
Cell Efficiency	22% - 22.5%
Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1000V (IEC/UL)
Max. Series Fuse Rating	20A
Application Classification	Class A

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

SPECIFICATIONS	SOLAR ROOF BLACK SLATE
Back Support	Standard Frame Backing
Dimensions	2036x996x40mm
Weight	22kg
Cell Type	Mono-crystalline
Cell Arrangement	72(12x6)
Front Cover	3.2 mm tempered glass
J-Box	IP68, 3 bypass diodes
Cable	4mm ² , 12 AWG (UL)
Cable Length (including Connector)	1000mm, 1200mm
Connector	MC4

TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR ROOF BLACK SLATE
Temperature Coefficient P _{max}	-0.36% / °C
Temperature Coefficient V _{oc}	-0.30% / °C
Temperature Coefficient I _{sc}	0.046% / °C
Nominal Module Operating Temperature	42 ± 3°C

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