

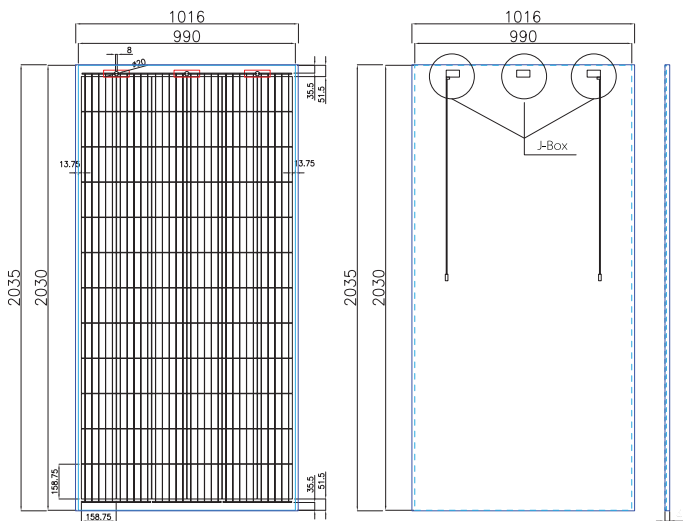
SOLAR ROOF

Black Asphalt Facing

High Efficiency Mono Module

290W
1000V

ENGINEERING DRAWING (mm)



*Hidden Frame Drawing

ELECTRICAL DATA | STC*

SPECIFICATIONS

Nominal Max. Power (Pmax)

MPP Operating Voltage (Vmp)

MPP Operating Current (Imp)

Open Circuit Voltage (Voc)

Short Circuit Current (Isc)

Cell Efficiency

Operating Temperature

Max. System Voltage

Max. Series Fuse Rating

Application Classification

SOLAR ROOF BLACK ASPHALT

290W

41.7V

6.95A

46.9V

7.42A

22% - 22.5%

-40°C ~ +85°C

1000V (IEC/UL)

20A

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 ASPHALT	
Back Support	Hidden Frame Backing	Standard Frame Backing
Dimensions	2035x1016x40mm	2036x996x40mm
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 ASPHALT
Temperature Coefficient Pmax	-0.36% / °C
Temperature Coefficient Voc	-0.30% / °C
Temperature Coefficient Isc	0.046% / °C
Nominal Module Operating Temperature	42 ± 3°C

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