



**HIGH EFFICIENCY 295W**

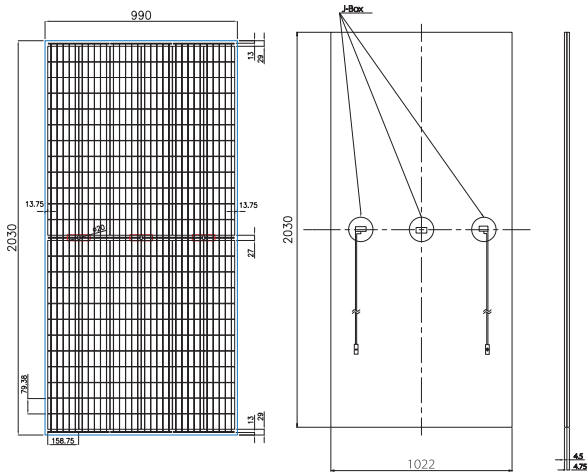
**SOLAR ROOF** (Brown Asphalt Pattern Facing With Hidden Frame)

**1000V**



**SOLAR ROOF - Brown Asphalt Pattern**  
Facing With Hidden Frame  
High Efficiency Mono Module  
**295W**  
1000V

**ENGINEERING DRAWING (mm)**



**ELECTRICAL DATA | STC\***

SPECIFICATIONS	SOLAR ROOF
Nominal Max. Power (Pmax)	295W
Opt. Operating Voltage (Vmp)	41.7V
Opt. Operating Current (Imp)	7.07A
Open Circuit Voltage (Voc)	46.9V
Short Circuit Current (Isc)	7.33A
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

**MECHANICAL DATA**

SPECIFICATIONS	SOLAR ROOF
Cell Type	Mono-crystalline
Cell Arrangement	144 [2X(12x6)]
Dimensions	2030x1022mm
Front cover	3.2 mm tempered glass
Back support	Metal Backsheet
J-Box	IP68, 3 bypass diodes
Cable	4mm <sup>2</sup> , 12 AWG (UL)
Cable Length (Including Connector)	1000mm, 1200mm
Connector	MC4

**TEMPERATURE CHARACTERISTICS**

SPECIFICATIONS	SOLAR ROOF
Temperature Coefficient (Pmax)	-0.390% / °C
Temperatures Coefficient (Voc)	-0.300% / °C
Temperatures Coefficient (Isc)	-0.060% / °C
Nominal Module Operating Temperature	42 ± 3°C

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.