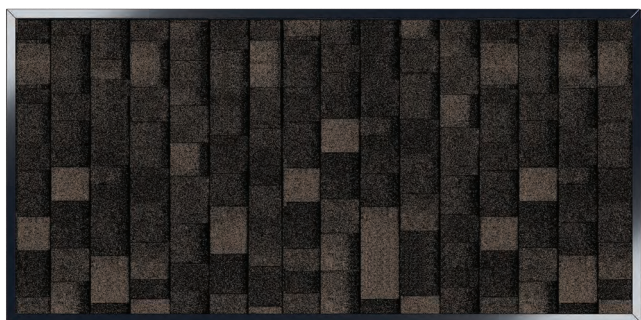




SOLAR ROOF

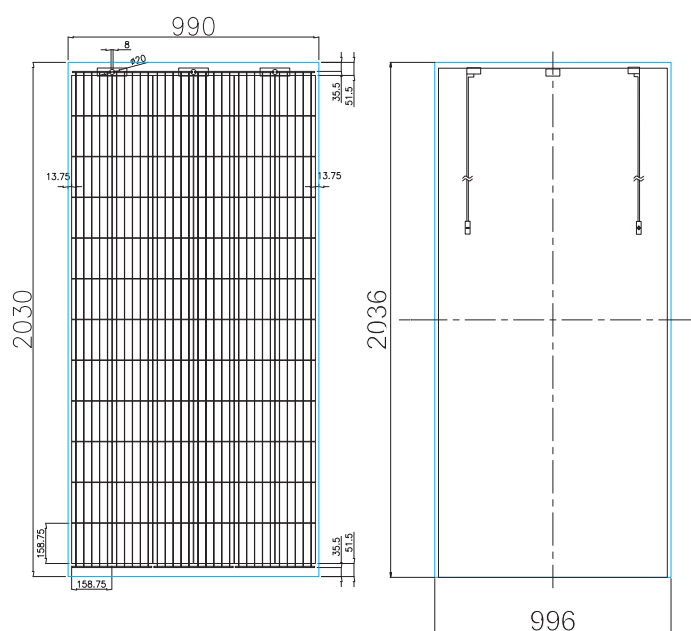
Brown Asphalt Facing

High Efficiency Mono Module

310W

1000V

ENGINEERING DRAWING (mm)



MECHANICAL DATA

SPECIFICATIONS	SOLAR ROOF BROWN ASPHALT
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

ELECTRICAL DATA | STC*

SPECIFICATIONS	SOLAR ROOF BROWN ASPHALT
Nominal Max. Power (P _{max})	310W
MPP Operating Voltage (V _{mp})	42.9V
MPP Operating Current (I _{mp})	7.22A
Open Circuit Voltage (V _{oc})	48.2V
Short Circuit Current (I _{sc})	8.10A
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.

TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR ROOF BROWN ASPHALT
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

Learn More:

 mitrex.com
 info@mitrex.com

Headquarters:

 41 Racine Rd., Toronto,
ON M9W 2Z4, Canada
 +1 (416) 497 7120

West USA Location:

 10880 Wilshire Blvd Suite 1101,
Los Angeles, CA 90024, USA
 +1 (323) 301 7978

East USA Location:

 1 Rockefeller Plaza Fl 11,
New York, NY 10020, USA
 +1 (646) 583 4486