MITREX
BUILDING-INTEGRATED SOLAR TECHNOLOGY

SOLAR CLADDING

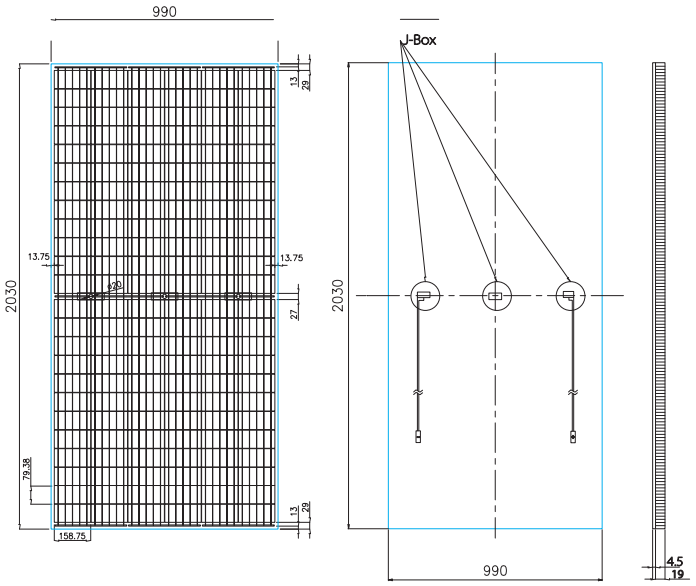
Orbit Facing With Aluminum Honeycomb

High Efficiency Mono Module

375W

1000V

ENGINEERING DRAWING (mm)



ELECTRICAL DATA | STC*

SPECIFICATIONS	SOLAR CLADDING
Nominal Max. Power (Pmax)	375W
MPP Operating Voltage (Vmp)	42.3V
MPP Operating Current (Imp)	8.87A
Open Circuit Voltage (Voc)	47.3V
Short Circuit Current (Isc)	9.28A
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 CLADDING
Cell Type	Mono-crystalline
Cell Arrangement	144 [2x(12x6)]
Dimensions	2030x990mm
Front Cover	3.2 mm tempered glass
Back Support	Aluminum Honeycomb
J-Box	IP68, 3 bypass diodes
Cable	4mm^2, 12 AWG (UL)
Cable Length (Including Connector)	500mm, 1000mm, 1200mm
Connector	MC4

TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR CLADDING
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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