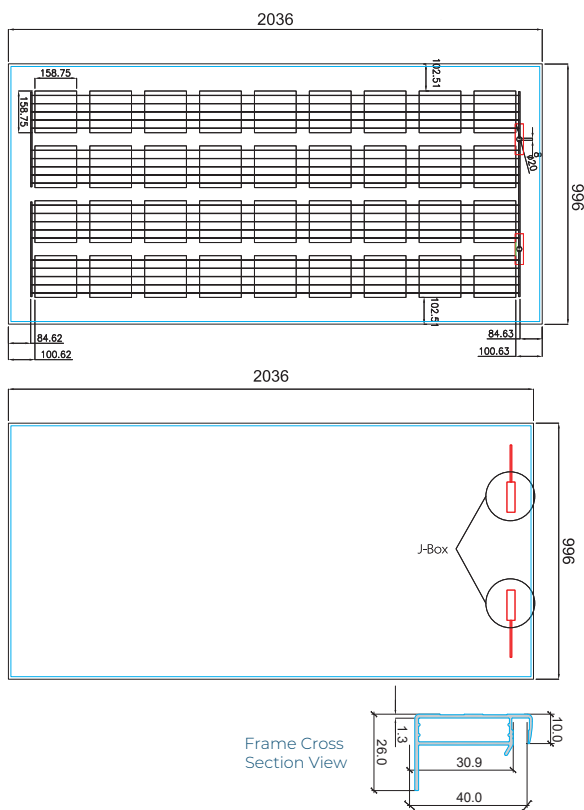




**SOLAR PANEL**  
**Bifacial Semi-Opaque**  
 High Efficiency Mono Module  
**195 W**  
 1000V

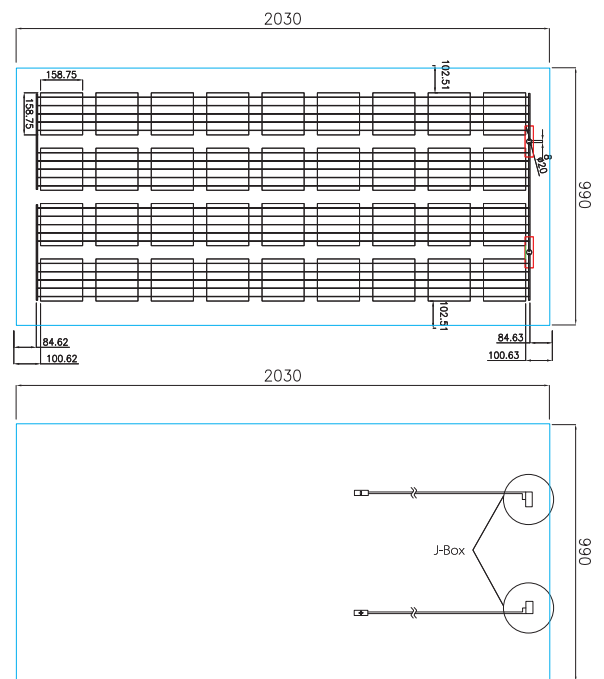
**ENGINEERING DRAWING (mm)**

**FRAMED OPTION**





Overall Dimensions	2036x996x40mm
Front Cover	3.2 mm tempered glass
Back Cover	Transparent Backsheet
Weight	22kg
Frame	Anodized Aluminum Alloy

**FRAMELESS OPTION**





Overall Dimensions	2030x990x7mm
Front Cover	3.2 mm tempered glass
Back Cover	Transparent Backsheet
Weight	19kg



Learn More:

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 [info@mitrex.com](mailto:info@mitrex.com)

Headquarters:

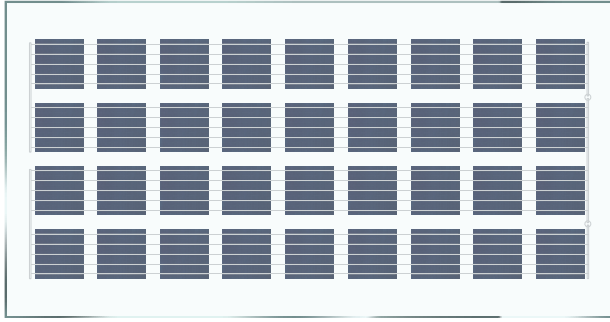
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## SOLAR PANEL

### Bifacial Semi-Opaque

High Efficiency Mono Module  
**195 W**  
1000V

### MECHANICAL DATA

SPECIFICATIONS	SOLAR PANEL- BIFACIAL - SEMI-OPAQUE
Cell Type	Mono-crystalline
Cell Arrangement	36 (9x4)
J-Box	IP68, 2 bypass diodes
Cable	4mm <sup>2</sup> , 12 AWG (UL)
Cable Length (Including Connector)	300mm, 500mm, 1000mm, 1200mm
Connector	MC4

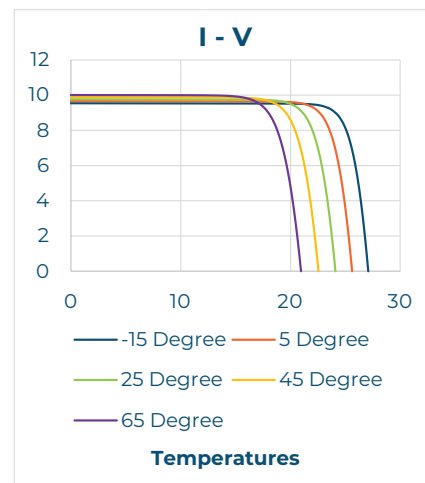
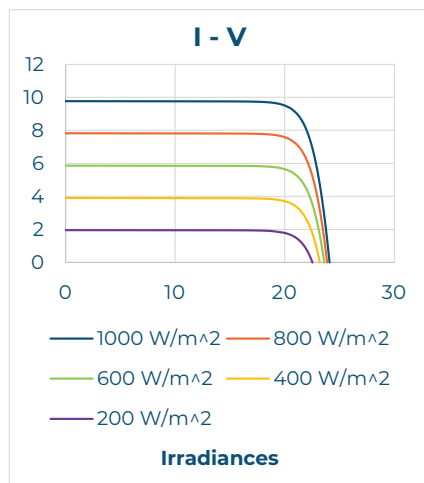
### TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR PANEL- BIFACIAL - SEMI-OPAQUE
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



### ELECTRICAL DATA | STC\*

SPECIFICATIONS	SOLAR PANEL- BIFACIAL - SEMI-OPAQUE			
	FRONT ONLY	BIFACIAL GAIN		
		10%	20%	30%
Nominal Max. Power (Pmax)	195W	214W	234W	253W
MPP Operating Voltage (Vmp)	20.9V	20.9V	20.9V	20.9V
MPP Operating Current (Imp)	9.31A	10.24A	11.17A	12.10A
Open Circuit Voltage (Voc)	24.1V	24.1V	24.1V	24.1V
Short Circuit Current (Isc)	9.77A	10.75A	11.72A	12.70A
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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.




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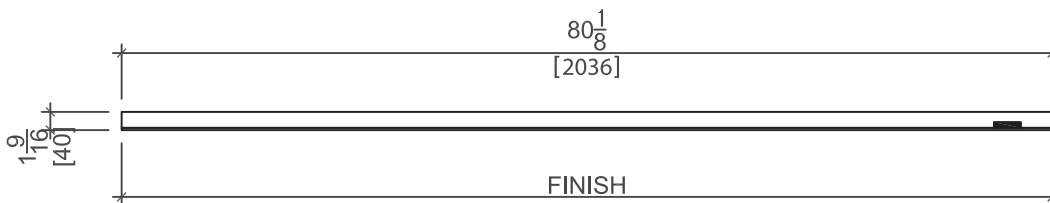
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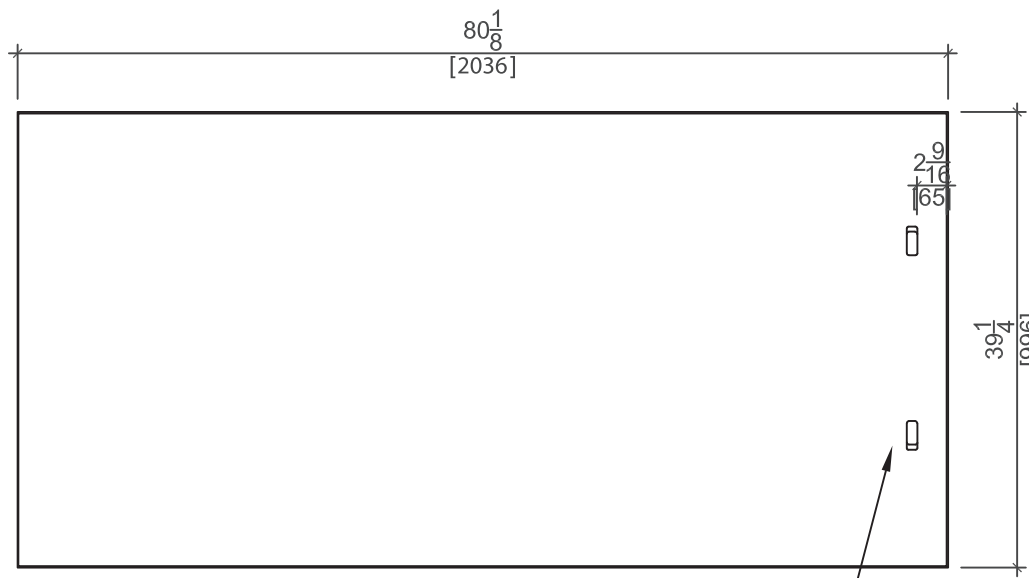
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### FRAMED TECHNICAL DRAWING

#### TOP VIEW

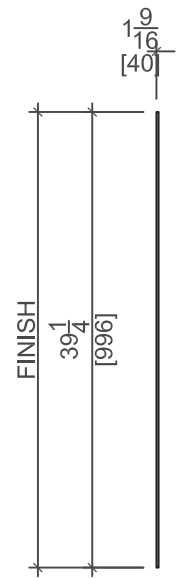


#### FRONT VIEW





JUNCTION BOX



#### SIDE VIEW (RIGHT)





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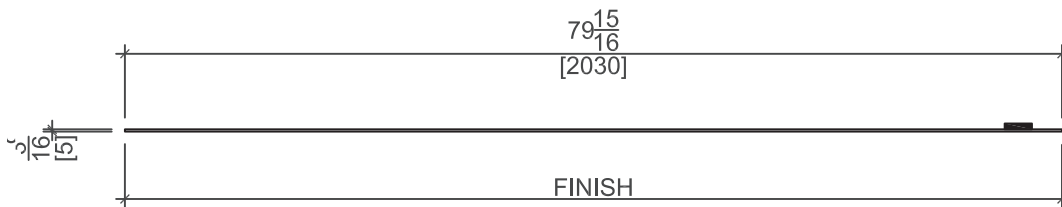
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#### East USA Location:

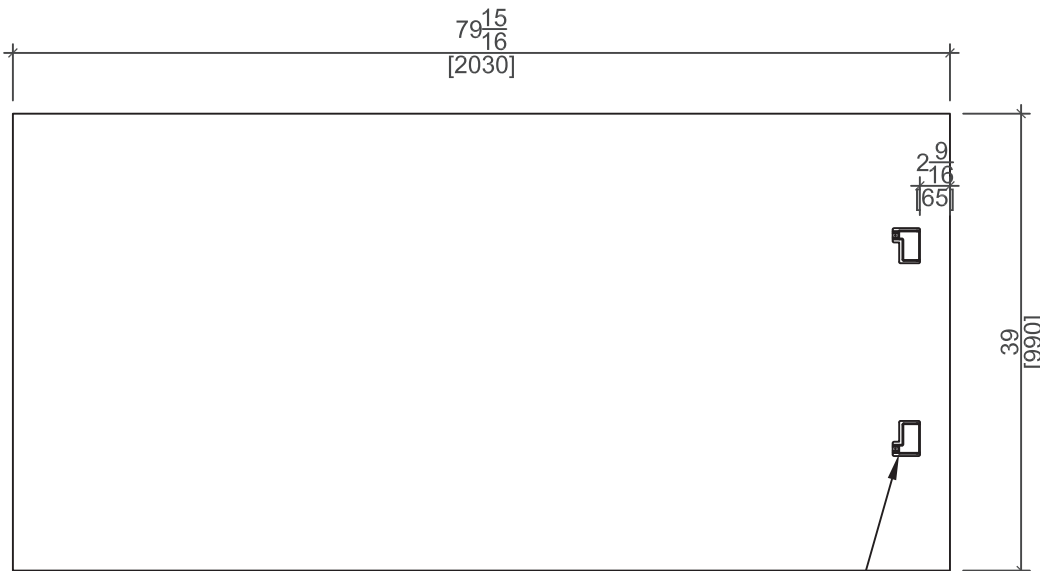
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FRAMELESS TECHNICAL DRAWING

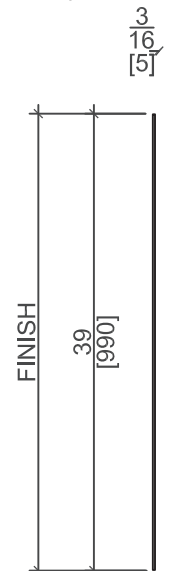
TOP VIEW





FRONT VIEW





SIDE VIEW  
(RIGHT)





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