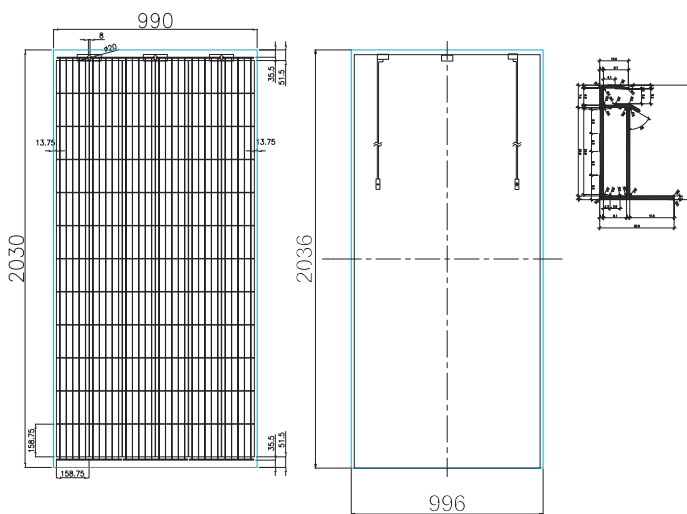


## SOLAR PANEL BIFACIAL HP M390-D1FB

High Efficiency Mono Module With Frame -  
Up to 30% more power

**390W**  
**1000V**

### ENGINEERING DRAWING (mm)



### ELECTRICAL DATA | STC\*

MITREX	BIFACIAL HP M390-D1FB			
	FRONT ONLY	10%	20%	30%
Nominal Max. Power (Pmax)	390W	429W	468W	507W
MPP Operating Voltage (Vmp)	42.0V	42.0V	42.0V	42.0V
MPP Operating Current (Imp)	9.29A	10.3A	11.4A	12.07A
Open Circuit Voltage (Voc)	48.3V	48.3V	48.3V	48.3V
Short Circuit Current (Isc)	9.76A	10.74A	11.71A	12.69A
Module Efficiency	19.2%	21.1%	23.1%	25.0%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1000V (IEC/UL)			
Max. Series Fuse Rating	20A			
Application Classification	Class A			

### MECHANICAL DATA

SPECIFICATIONS	BIFACIAL HP M390-D1FB
Cell Type	Mono-crystalline
Cell Arrangement	72 [12x6]
Dimensions	2036mmx996mmx40mm
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminum alloy silver or grey frame
Weight	22kg
J-Box	IP68, 3 bypass diodes
Cable	4mm <sup>2</sup> , 12 AWG (UL)
Cable Length (Including Connector)	500mm, 1000mm, 1200mm
Connector	MC4

### TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	BIFACIAL HP M390-D1FB
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

\* 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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