



SOLAR PANEL BLACK HP

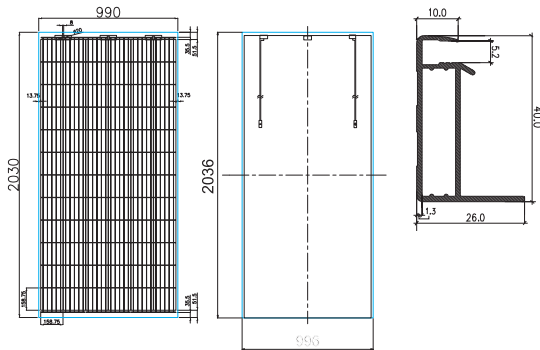
M390-A1F

High Efficiency Mono Module

390W

1000V

ENGINEERING DRAWING (mm)

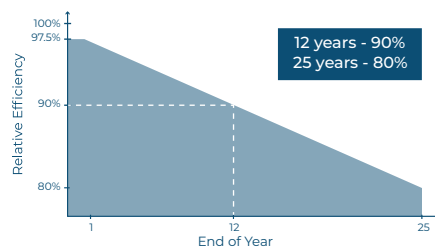


ELECTRICAL DATA | STC*

MITREX	BLACK HP M390-A1F
Nominal Max. Power (Pmax)	390W
MPP Operating Voltage (Vmp)	41.9V
MPP Operating Current (Imp)	9.31A
Open Circuit Voltage (Voc)	48.2V
Short Circuit Current (Isc)	9.97A
Module Efficiency	19.2%
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.

LINEAR PERFORMANCE WARRANTY



12 years - 90%
25 years - 80%

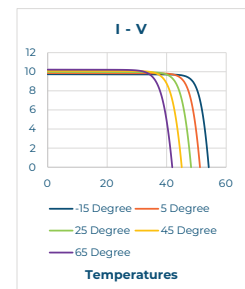
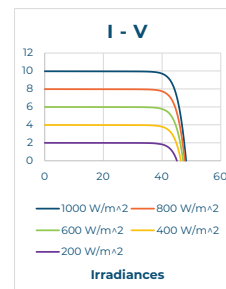
- 25 Year Product Warranty
- 25 Year Linear Power Warranty

MECHANICAL DATA

SPECIFICATIONS	BLACK HP M390-A1F
Cell Type	Mono-crystalline
Cell Arrangement	72 [12x6]
Dimensions	2036x996x40mm
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminum alloy black frame
Weight	22kg
J-Box	IP68, 3 bypass diodes
Cable	4mm ² , 12 AWG (UL)
Cable Length (including Connector)	300mm, 1000mm, 1200mm
Connector	Staubli MC4
Max Static Load Front/Back	2400Pa/2400Pa

TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	BLACK HP M390-A1F
Temperature Coefficient Pmax	-0.36% / °C
Temperature Coefficient Voc	-0.27% / °C
Temperature Coefficient Isc	0.037% / °C
Nominal Module Operating Temperature	42 ± 3°C



- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.

- Caution: For professional use only, the installation, handling, and cleaning of PV modules should only be performed by qualified professionals.

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