



SOLAR PANEL M405-I3H
Half-Cell
High Efficiency Mono Module
405W
1500V

CERTIFIED
IEC
61730

CERTIFIED
IEC
61215

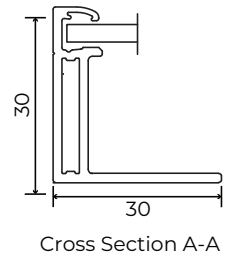
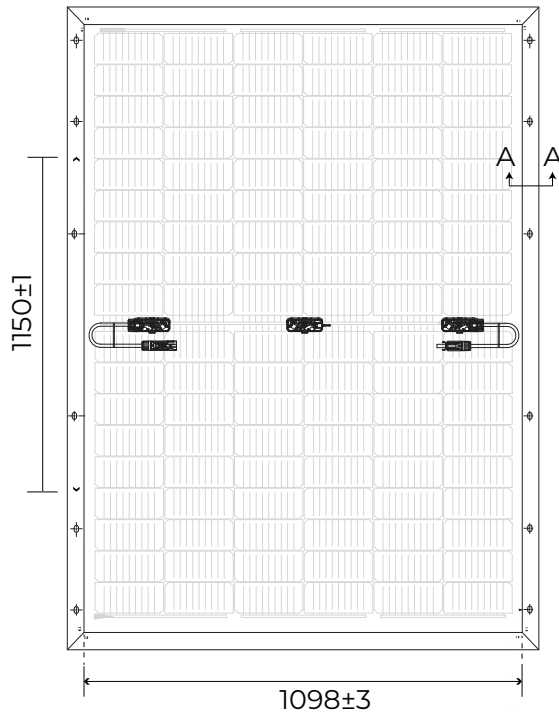
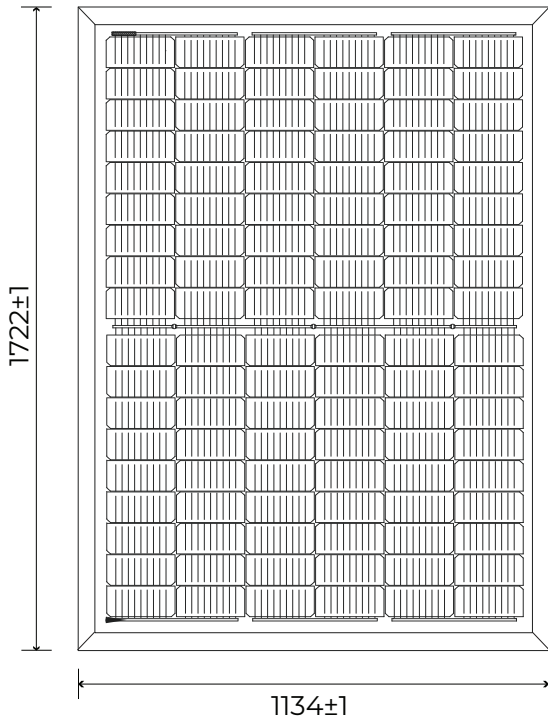
CERTIFIED
IEC
62804

CERTIFIED
IEC
60068

CERTIFIED
IEC
62716

CERTIFIED
IEC
61701

ENGINEERING DRAWING (mm)



Learn More:

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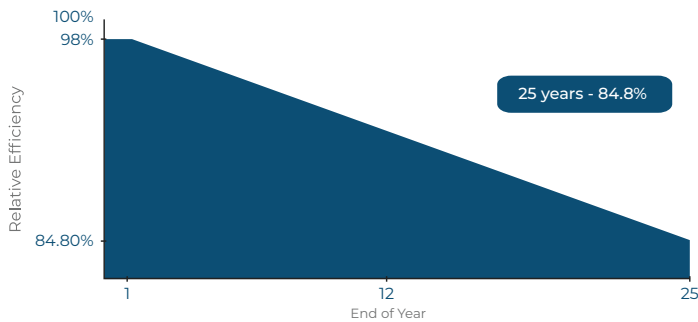
ELECTRICAL DATA | STC




MITREX	SOLAR PANEL M405-I3H
Nominal Max. Power (Pmax)	405W
MPP Operating Voltage (Vmp)	31.11V
MPP Operating Current (Imp)	13.02A
Open Circuit Voltage (Voc)	37.55V
Short Circuit Current (Isc)	13.73A
Maximum Efficiency	21%
Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500V (IEC/UL)
Max. Series Fuse Rating	25A
Fire Classification	Type I

MECHANICAL DATA

SPECIFICATIONS	SOLAR PANEL M405-I3H
Cell Type - Size	Mono-crystalline - M10, 182mm
Cell Arrangement	108 [(6x9)x2]
Dimensions	1722 x 1134 x 30mm
Front Cover	3.2 mm tempered glass
Back Cover	Black or White Backsheet
Frame	Anodized aluminum alloy black frame
Weight (kg)	20.7 ± 1
J-Box	IP68, 3 bypass diodes
Cable	4mm ² , 12 AWG (UL)
Cable Length (Including Connector)	300mm
Connector	MC4
Max. Static Load Front/Back	5400/ 2400 Pa

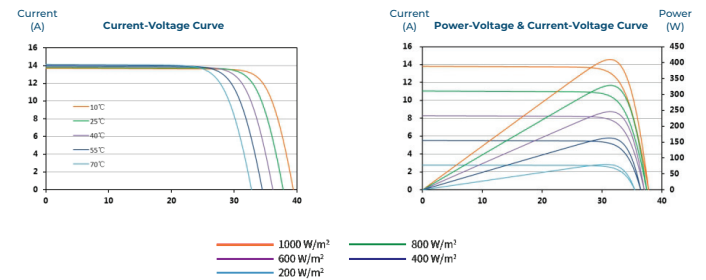
LINEAR PERFORMANCE WARRANTY



-  12 Year Product Warranty
-  25 Year Linear Power Warranty
-  Only -0.55% Annual Degradation



TEMPERATURE CHARACTERISTICS

SPECIFICATIONS	SOLAR PANEL M405-I3H
Temperature Coefficient Pmax	-0.341% / °C
Temperature Coefficient Voc	-0.262% / °C
Temperature Coefficient Isc	0.054% / °C
Nominal Module Operating Temperature	42.5 ± 2°C





- Power measuring tolerance: ± 3%, other measurements tolerances: ± 5%.
- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.
- **Caution: For professional use only, the installation and handling of PV modules and cleaning modules require professional skills and should only be performed by qualified professionals.**

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