



UTP2M-350

## PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

UTICA TP2M-350 solar panels feature an innovative design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation

Combined with industry-leading product quality and the reliability of a strong and established

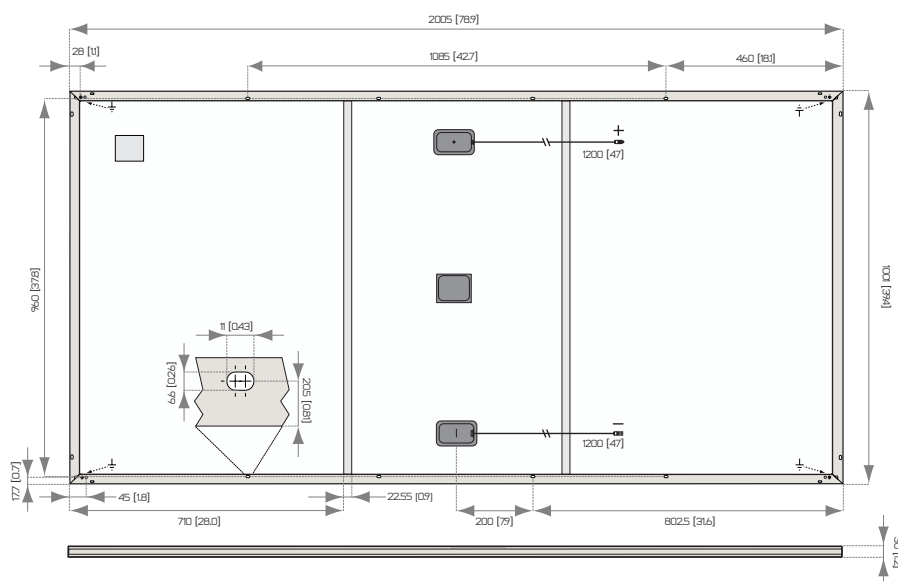
UTICA TP2M series panels are ideal for residential and commercial rooftops worldwide.

## WARRANTY

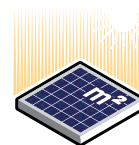
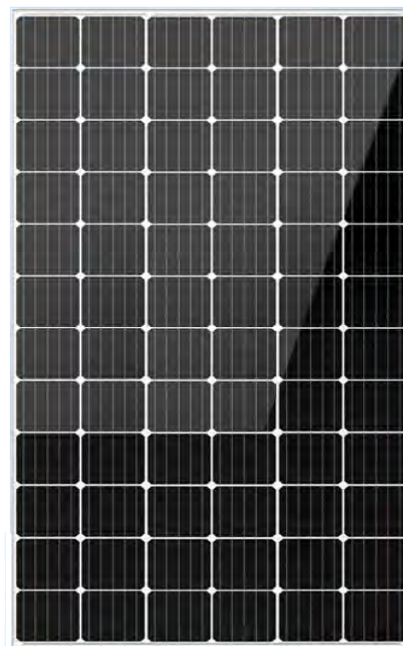
- 20 year product warranty
- 25 year linear power output warranty  
Max. performance degradation of 0.7% p.a. from 97.5% in year 1

## CERTIFICATIONS

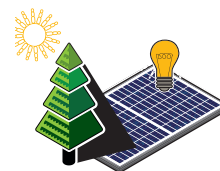
- IEC 61215, IEC 61730 and UL 1703; IEC 62804 (PID)
- IEC 62716 (Ammonia Resistance), IEC 61701 (Salt Mist Level 6).
- ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007



Measurements in mm [in]



**MORE POWER  
OUTPUT PER M<sup>2</sup>**



**IMPROVED PERFORMANCE  
IN SHADED CONDITIONS**



**100%  
PID FREE**



**REDUCES BALANCE OF  
SYSTEM COSTS**

## Technical data and types

Type code	TP2M-350
<b>ELECTRICAL DATA - STC</b>	
Nominal Power - $P_{MPP}$ (Wp)	350
Watt Class Sorting - (W)	-0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	39.8
Nominal Power Current - $I_{MPP}$ (A)	9.30
Open Circuit Voltage - $V_{OC}$ (V)	47.8
Short Circuit Current - $I_{sc}$ (A)	9.85
Panel Efficiency (%)	18.4
Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m <sup>2</sup> , temperature 25°C), based on a production spread with a tolerance of $V_{OC}$ and $I_{sc}$ $\pm 3\%$ within one watt class. At a low irradiance of 200 W/m <sup>2</sup> at least 95% of the STC module efficiency will be achieved. - Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC indicated above.	
<b>ELECTRICAL DATA - NMOT</b>	
Nominal Power - $P_{MPP}$ (Wp)	278
Nominal Power Voltage - $V_{MPP}$ (V)	37.0
Nominal Power Current - $I_{MPP}$ (A)	7.51
Open Circuit Voltage - $V_{OC}$ (V)	44.4
Short Circuit Current - $I_{sc}$ (A)	7.96
Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m <sup>2</sup> , temperature 20°C, windspeed 1 m/s). - Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC indicated above.	
<b>GENERAL DATA</b>	
Cell type	144 half-cut mono-Si p-type PERC cells, 6 strings of 24 cells in series
Glass	3.2 mm solar glass with anti-reflection surface treatment
Backsheet	Highly resistant polyester polyolefin construction
Frame	Anodized aluminum
Junction box	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable	4 mm <sup>2</sup> solar cable, 1.0 m + 1.2 m in accordance with EN 50618
Origin	Made in Singapore
<b>MAXIMUM RATINGS</b>	
Operational temperature	-40 ... +85°C
Maximum system voltage	1000V / 1500V
Design load (+) snow	3600 Pa (367 kg/m <sup>2</sup> )+
Maximum test load (+)	5400 Pa (550 kg/m <sup>2</sup> )+
Design load (-) wind	163 kg/m <sup>2</sup> (1600 Pa)+
Maximum test load (-)	244 kg/m <sup>2</sup> (2400 Pa)+
Max series fuse rating	25A
Max reverse current	25A
-Calculated using a safety factor of 1.5	
<b>TEMPERATURE RATINGS</b>	
Nominal Module Operating Temperature	44.9°C
Temperature coefficient of $P_{MPP}$	-0.37%/°C
Temperature coefficient of $V_{OC}$	-0.28%/°C
Temperature coefficient of $I_{sc}$	0.04%/°C
-The temperature coefficients stated are linear values	
<b>MECHANICAL DATA</b>	
Dimensions	2005 x 1001 x 30 mm
Area	2.01 m <sup>2</sup>
Weight	22kg