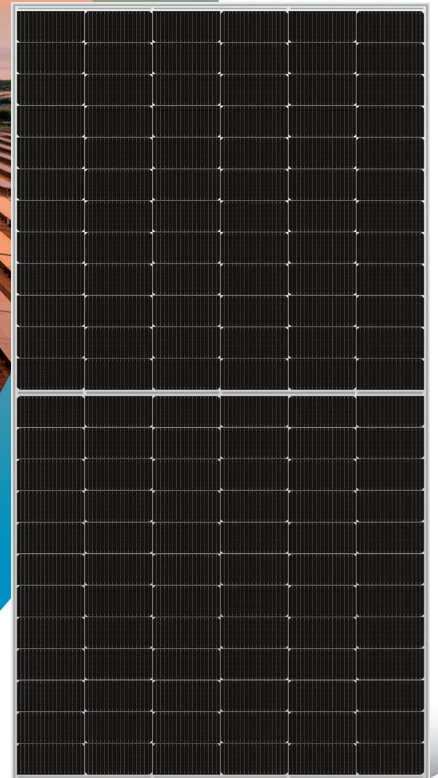




YOUR RELIABLE
PARTNER FOR
SOLAR ENERGY
SINCE 1992



EMMVEE CRAFTING SMART AND ADVANCED SOLAR ENERGY SOLUTIONS



TITANIUM WHITE

N-TYPE MONOFACIAL GLASS TO WHITE BACK SHEET MODULE



Committed to Quality, Punctuality, and Customer Support since 1992.



Over 15 Years of Sustainable Power with Photovoltaic Modules, New High WP Modules United with Quality and Efficiency



With presence in Green Energy Projects Across the Globe



Our Mission: Delivering Clean, Reliable Energy while Reducing Carbon Footprint through wide range of Residential and Commercial Solar Offerings.

144 CUT CELL N-TYPE MONOFACIAL GLASS TO WHITE BACK SHEET MODULE

TECHNICAL SPECIFICATION

Electrical data at 1000W/m², 25°C and A.M1.5 (STC in accordance with IEC 60904-3)

| Model Name | E560HCMW144-T | E565HCMW144-T | E570HCMW144-T | E575HCMW144-T | E580HCMW144-T |
|--|---------------|---------------|---------------|---------------|---------------|
| Rated Power at STC | 560 | 565 | 570 | 575 | 580 |
| Power Tolerance | +5W | +5W | +5W | +5W | +5W |
| Module Efficiency at STC | 21.68% | 21.87% | 22.07% | 22.26% | 22.45% |
| Open Circuit Voltage-VOC(Volts)(±10%) | 50.67 | 50.87 | 51.07 | 51.27 | 51.47 |
| Short Circuit Current-ISC (AMPS)(±10%) | 14.13 | 14.19 | 14.25 | 14.31 | 14.37 |
| Max Power Voltage-VPM(Volts) | 41.95 | 42.14 | 42.29 | 42.44 | 42.59 |
| Max Power Current-IPM (AMPS) | 13.35 | 13.41 | 13.48 | 13.35 | 13.62 |

At low irradiance (200W/M², 25°C and AM1.5) the module yields at least 95% of the STC efficiency.

Test uncertainty for Pmax ±3%

Permissible Operating Conditions

| | |
|---|--------------------------------------|
| Operating Temperature Range | -40° C TO 85° C |
| Max.system Voltage | 1500V DC |
| Maximum Snow Load Capacity | 5400PA |
| Resistance Against Hail | MaxØ24mm With Impact Speed of 93 Mph |
| Protection Class Against Electrical Shock | II |
| Maximum Reverse Current | 25 A |

Thermal Data

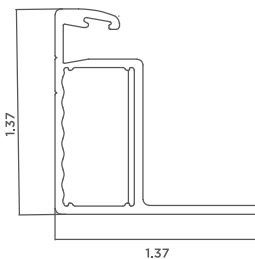
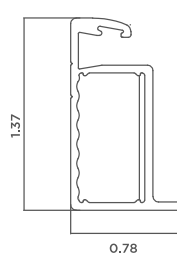
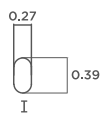
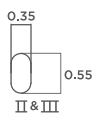
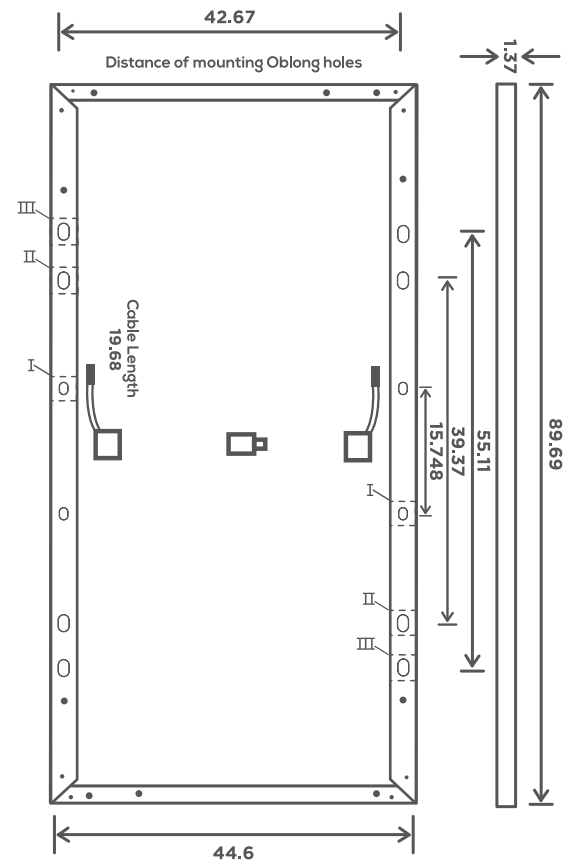
| | |
|--|-----------|
| Temp. Coefficient Open-circuit Voltage | -0.25%/°C |
| Temp. Coefficient Short Circuit Current | 0.045%/°C |
| Temp. Coefficient Rated Power | -0.29%/°C |
| NOCT (Normal operating cell temperature) | 45°C ±2°C |

Mechanical Data

| | |
|-------------------------------|--|
| Number of Cells and Cell Type | 144 Topcon Solar Cells (182mm X 91mm) |
| Dimensions: (L X W X H) | 89.69 inch X 44.65 inch X 1.38 inch |
| Weight | 57.32 Pounds |
| Front Glass | 3.2 mm High Transmission, Solar Glass |
| Embedding | EVA/POE/EPE |
| Back Sheet | Composite Film, White |
| Junction Box | 3 Split Junction Box IP68 |
| Number of Bypass Diodes | 3 |
| Cables | 4mm ² Solar Cables, Length 500±10mm |

Warranty

| | |
|----------------------|----------|
| Product Warranty | 12 years |
| Performance Warranty | 25 years |

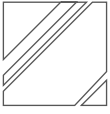


1ST YEAR DEGRADATION 1.0%

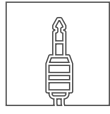
YEAR 2-25 POWER DEGRADATION 0.40%

END OF 25 YEARS 89.40%

FEATURES



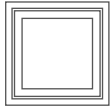
AR Coated High Transmission Glass



MC4 Compatible Connectors



PID Resistance



Anodised Aluminium Frame

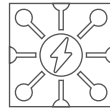


Snow Load Resistance upto 5400 Pa

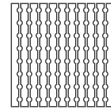
BENEFITS



Low LCOE, Faster Payback Period



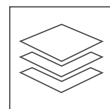
Best In Class Efficiency upto 23%



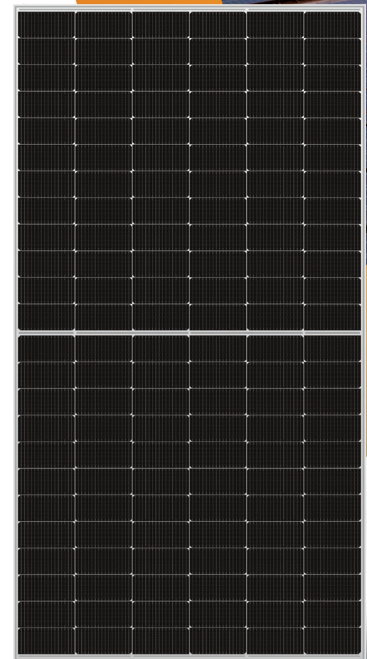
Multi-Bus Bar Technology for Better Current Collection



Lowest Guaranteed First Year and Annual Degradation



Well-Composed Components Stress to Reduce Micro Cracks



*Product under testing at TUV for IEC standards.

EMMVEE PHOTOVOLTAIC POWER PRIVATE LIMITED

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 (An ISO 9001:2015, ISO 14001:2015 & OHSAS 45000:2018 Certified Company)