

## SUNLIT SERIES

- Using highly efficient **PASSIONATED EMITTER REAR CONTACT TECHNOLOGY (PERC) CELLS**
- Exceptional performance** under **low-light** and **high temperature** conditions.
- Higher energy density per square meter** than conventional multicrystalline cells.
- Increased light absorption**, as unabsorbed light is **reflected back** to the **solar cell**.
- Superior anti-reflective coating** captures more light to deliver **increased efficiency**.

**up to 19.86%**  
EFFICIENCY

**365-385 Wp**  
RANGE

**72** MONO PERC  
SOLAR CELLS

**27** YEARS\*  
WARRANTY

**12%**  
**HIGHER**  
**POWER**  
OUTPUT

Term & Condition Apply

**PERC technology** boosts efficiency through the addition of a layer to the back of a traditional solar cell, which provides several benefits to the cell's production.

**PERC solar cells** are an **exciting technology** because of the efficiency gains they provide over standard solar cells.



# TECHNICAL SPECIFICATION

# Sunlit

High Performance Mono Perc PV Modules

## Electrical Data All data refers to STC

Peak Power $P_{max}$ (Wp)	365	370	375	380	385
Maximum Voltage $V_{mpp}$ (V)	39.8	40.0	40.1	40.2	40.3
Maximum Current $I_{mpp}$ (A)	9.17	9.26	9.36	9.46	9.56
Open Circuit Voltage $V_{oc}$ (V)	48.3	48.5	48.7	48.8	48.9
Short Circuit Current $I_{sc}$ (A)	9.73	9.84	9.94	10.04	10.14
Module Efficiency $\eta$ (%)	18.81	19.07	19.33	19.58	19.86

## Temperature Coefficients (Tc) permissible operating conditions

Tc of Open Circuit Voltage ( $\beta$ )	- 0.28%/°C
Tc of Short Circuit Current ( $\alpha$ )	0.057%/°C
Tc of Power ( $\gamma$ )	-0.39%/°C
Maximum System Voltage	1500 V
NOCT	45°C ± 2°C
Temperature Range	-40°C to + 85°C

## Mechanical Data

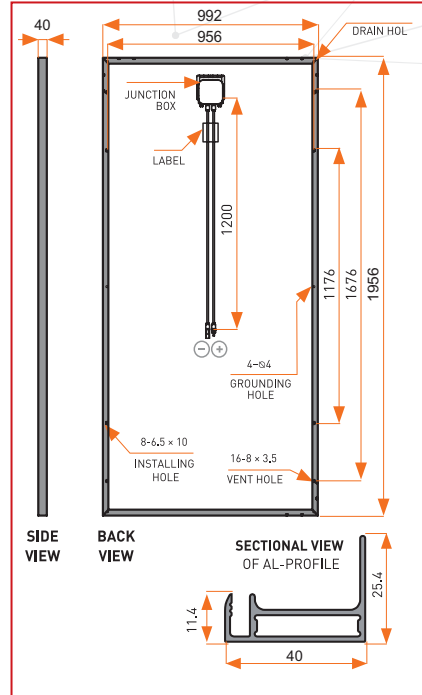
Length x Width x Height	1956 x 992 x 40 mm
Weight	22.5 kg
Junction Box	IP68/IP67, 3 Bypass diodes
Cable & Connectors	1200 mm (47.24 inches) length cables, MC4 Compatible/MC4 Connectors/Amphenol
Application Class	Class A (Safety class II)
Superstrate#	3.2 mm (0.13 inches) high transmission low iron tempered glass, AR coated
Cells	72 Mono PERC, 5BB solar cells
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 Pa (Snow load), 2400 Pa (Wind load)
Maximum Series Fuse Rating	15 A

\* Also available in anti-soil and anti-glare

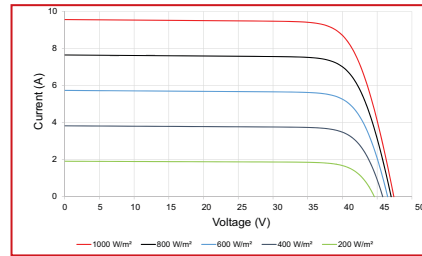
## Warranty and Certifications

Product Warranty**	10 years
Performance Warranty**	Linear Power Warranty for 27 years with 3% for 1st year degradation and 0.65% from year 2 to year 27

## Dimensions in mm

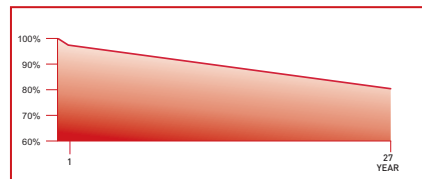


## Typical I-V Curves



4) Average relative efficiency reduction of 5% at 200 W/m² according to EN 60904-1.

## Performance Warranty



Conformity to Standards : ISO 9001 : 2015 | IS 14286 : 2010 | IS 61730 : (Part 1 & 2) | PID Free



**Green Solar**  
energy of the future

## Matri Shree Techno Industries

Premium PV Module Manufacturer

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# Module image for representation purpose only. Due to continues product updation, specification may change without prior notice.