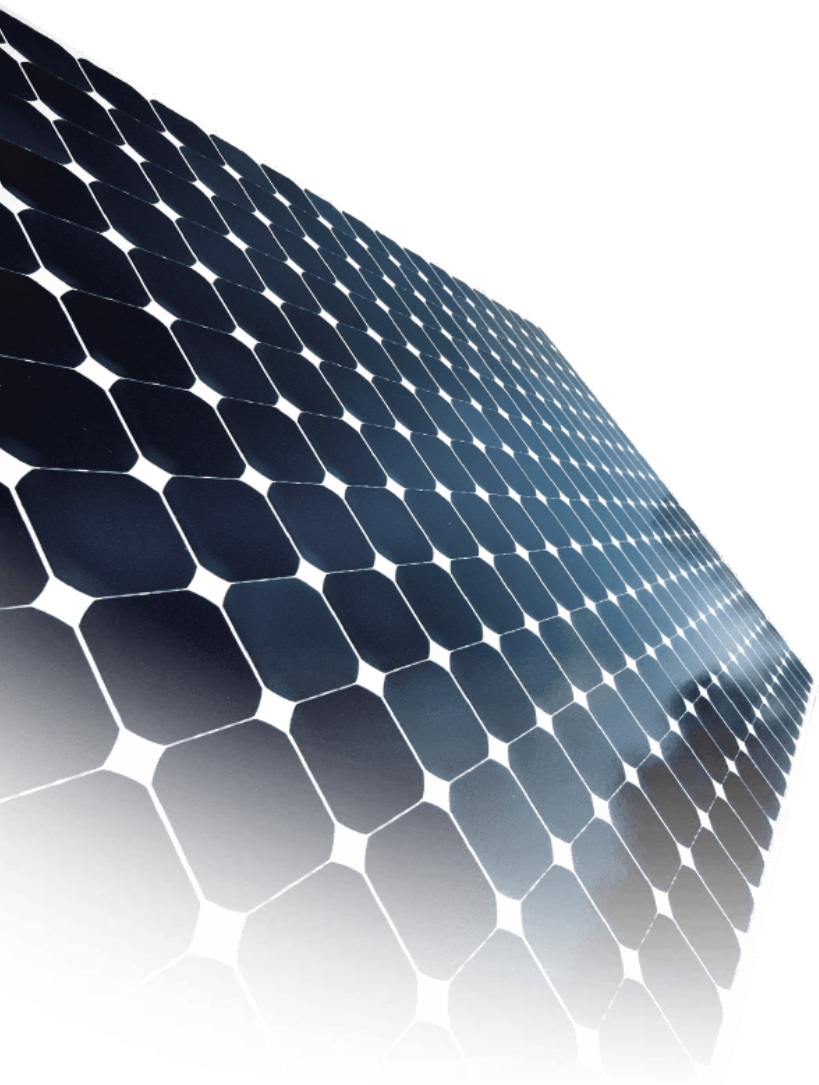
SAATVIK

MONOPERC -72 Cells

385 Wp I 390 Wp I 395 Wp I 400 Wp I (Monofacial)



Key Features

ALMM Approved PV module Manufacture
Approved List of Models and Manufacturers

Positive Tolerance Cell Output
Guaranteed 0~+4.99 Wp positive tolerance to ensure power Positive output

High Module Conversion Efficiency
Higher module conversion efficiency (up to 19.95 %) benefit with PERC.

Excellent weak light performance
Advanced glass and surface texturing allow for excellent performance in low-light environment.

Extended Wind and Snow load Tests
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Excellent PID Resistance
Excellent Anti-PID performance guarantee limited power degradation and certified for up-to 288 Hrs.

Withstanding Harsh Environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline, ammonia.

Rigorous Testing Criteria
100% EL inspection ensuring defect-free modules.

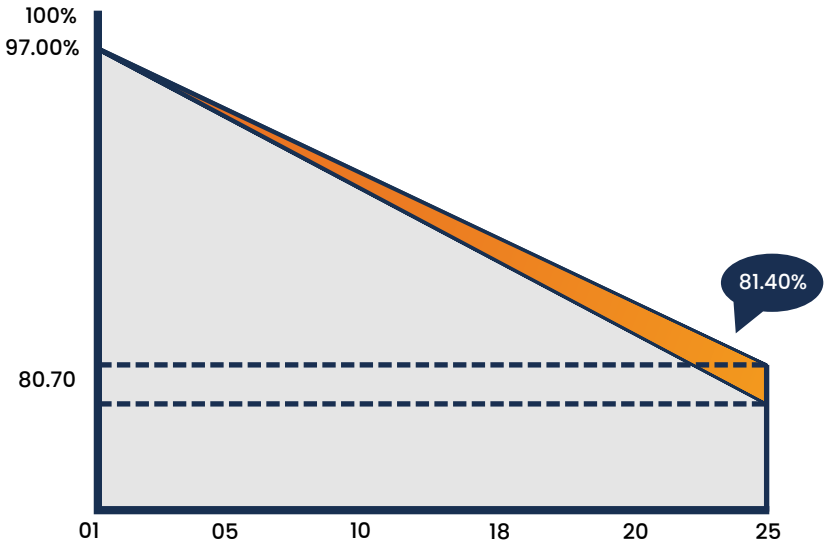
Current Sorting
To minimize the current mismatch losses to maximize system power output.

Excellent Durability and reliability
Tested & withstand for 3X IEC condition, certified by TÜV Rheinland

Linear Performance Warranty

Product Warranty 10 Years: Material & Processing.
First year Degradation Upto -3.0%

Linear Power output 25 : 2-25 Annual degradation -0.65%

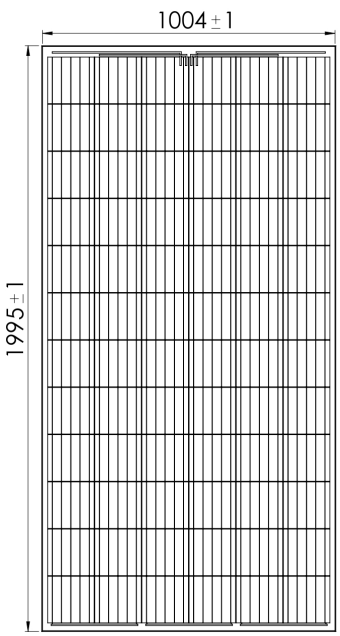


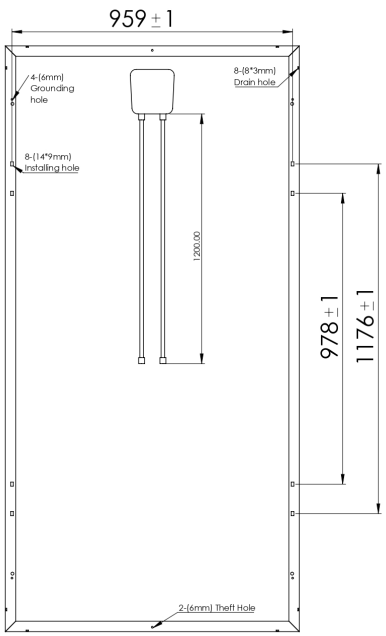
Certifications and standards

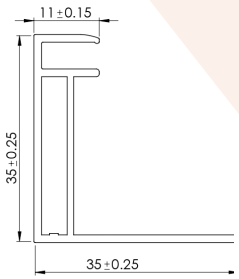
IEC 61215, IEC 61730, IEC 61701, UL 61730 CEC, CEC-Aus, IEC 62716, IEC 62759, IEC 62804, IEC 62782, IEC 60068-2-68, IEC 61853

TÜVRheinland CERTIFIED · IEC · ISO · MAKE IN INDIA · Munich RE · CE

Certification are under progress







Electrical Data Performance

Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power Pmax(0 ~+ 4.99)Wp	385	283	390	289	395	293	400	296
Maximum voltage, Vmpp	10.15	36.29	40.31	36.65	40.53	36.81	40.65	36.99
Maximum current, Impp	9.59	7.82	9.67	7.89	9.75	7.96	9.85	8.02
Open circuit voltage, Voc	48.58	44.27	48.78	44.71	49.04	44.91	49.19	45.13
Short circuit current, Isc	10.06	8.30	10.15	8.37	10.23	8.45	10.34	8.51
Module Efficiency(%)	**19.20**		**19.45**		**19.70**		**19.95**	
Operating Temperature(℃)	-40℃~+85℃							
Maximum system voltage	1500 VDC							
Maximum series fuse rating	15A							
Power tolerance	0~+3%							
Temperature coefficients of Pmax	-0.38%/°C							
Temperature coefficients of Voc	-0.30%/°C							
Temperature coefficients of Isc	0.051%/°C							
Nominal operating cell temperature (NOCT)	45 ± 2 °C							
Fire Safety	Class-C							
Application	Class-A							
Safety Class	Class II							

STC: Irradiance 1000 W/m2 module temperature 25 °C, Am=1.5; NOCT: Irradiance 800 W/m2, ambient teperature 20°C, Am=1.5, Wind speed 1m/s. Average power reduction of 4.5% at 200 W/m2 as per IEC 60904-1. Measuring Uncertainty +/- 3%*

MODULE MECHANICAL DATA

SPECIFICATION	DATA
Cell Type	PERC Monocrystalline, 72 Cells (6x12)
Dimensions	1995x1004x35mm
Weight	22.0 kgs
Front Cover	3.2 mm Tempered Glass
Cell Encapsulation	EVA
Backsheet	Composite Film
Frame Material	Silver Anodized Aluminium Profile, (black frame on request)
J-Box	IP67, 3 diodes
Cable	1.2 Meters, 4 mm
Connectors	MC4 Compatible Connector IEC/UL Certified
Standard Packaging	30x1 Pieces, 680 kg (quantity and weight per palette)
Module Pieces per pieces	660 pieces (40* HQ)

I-V Characteristics At Different Irradiations

PV module: Saatvik Green energy, SGE 400-72M