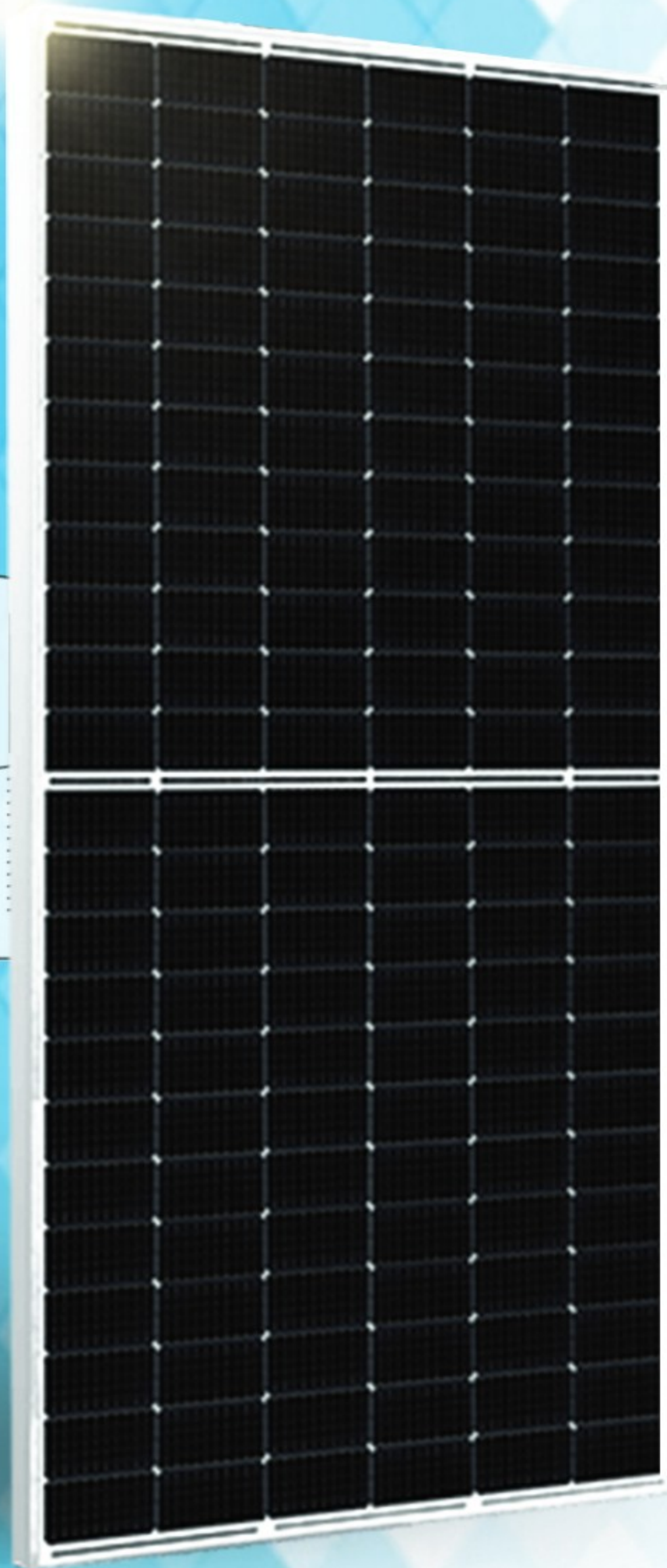




ATUM - CONVENTIONAL MODULES



ATUM

Powering a Greener Planet

ATUM is produdly certified by:



ISO

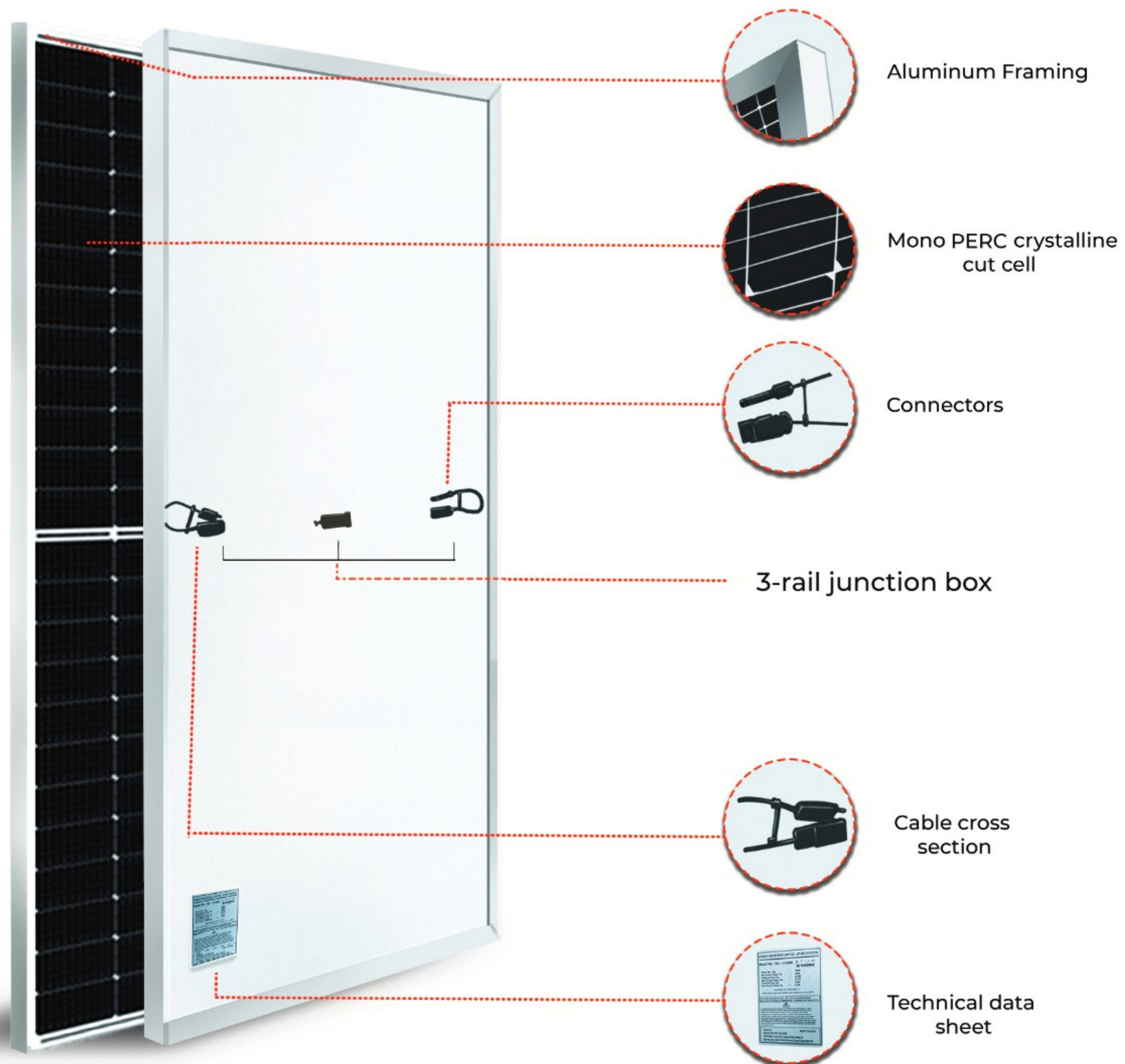


BIS



PID and SALT MIST

PRODUCT DETAILS:

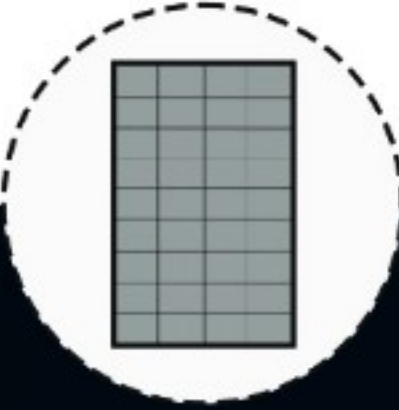


The Solar Renaissance

At Atum, we believe in smart, sustainable solutions. Our cutting-edge solar panels harness the power of the sun to provide reliable, clean energy for homes and businesses. With a focus on innovation, efficiency, and environmental responsibility, Atum is your partner in powering a greener future.

Founded on principles of innovation and sustainability, Atum has consistently led the way in solar energy technology. From the house of Visaka, our commitment to quality and environmental stewardship ensures that we deliver top-notch solar solutions that make a lasting impact on both our customers and the planet.

VIL-550M

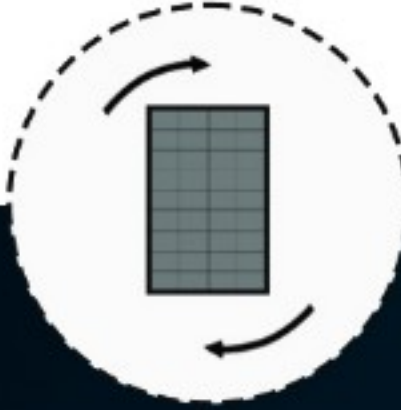


Superior module efficiency as per international benchmarks



1500V

1500 VDC system voltage for lower BoS cost



Glass with anti reflective coating improves light transmission



Salt, mist ,blowing sand and hail resistant



PID resistant with long tern reliability



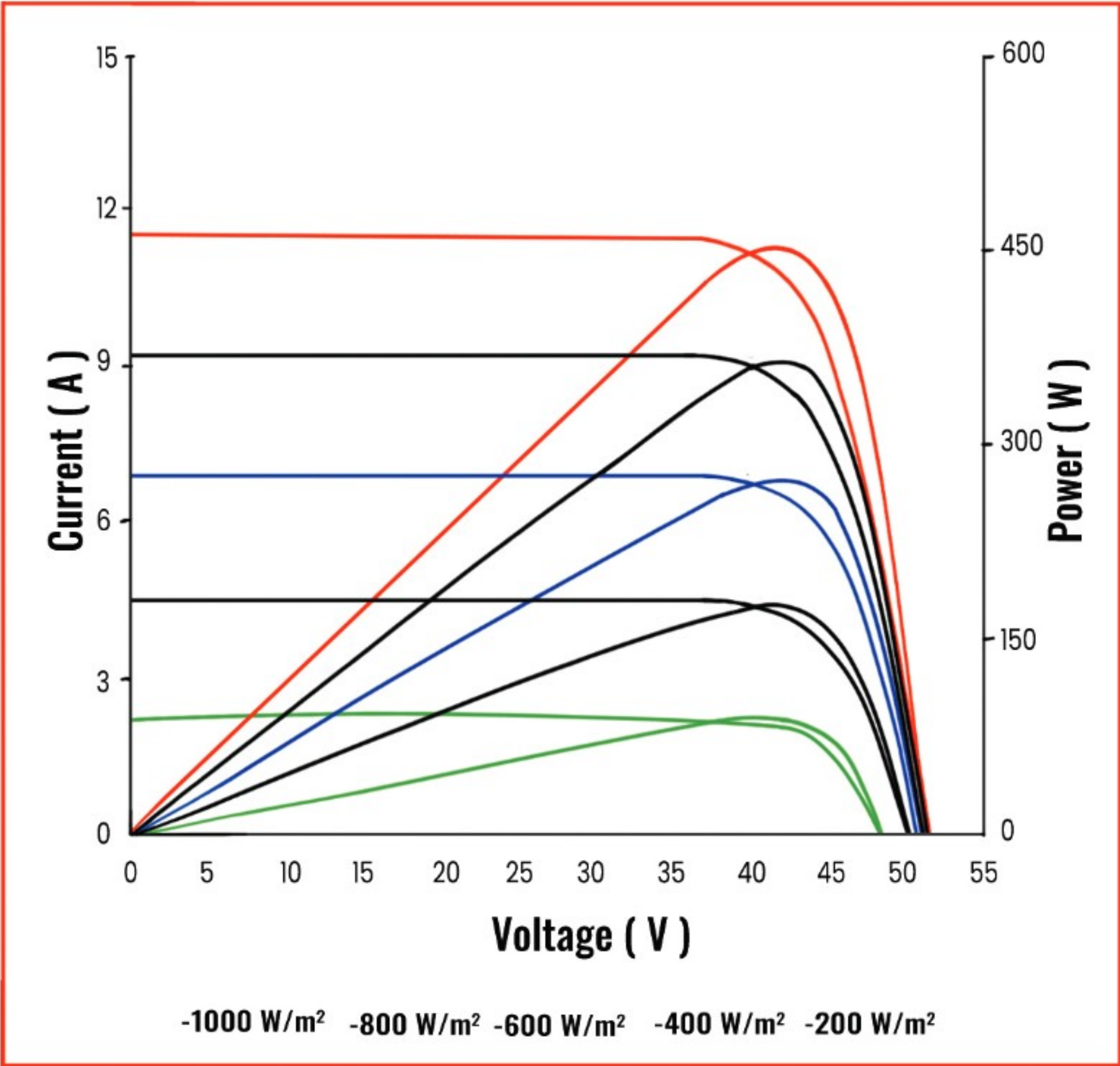
Sustain heavy wind & snow loads (2400 pa & 5400 pa)



Modules binned by current to improve system performance



I-V VARIATION WITH IRRADIANCE



Above Graph are reference purpose only. please contact ATUM technical team for Further clarifications.

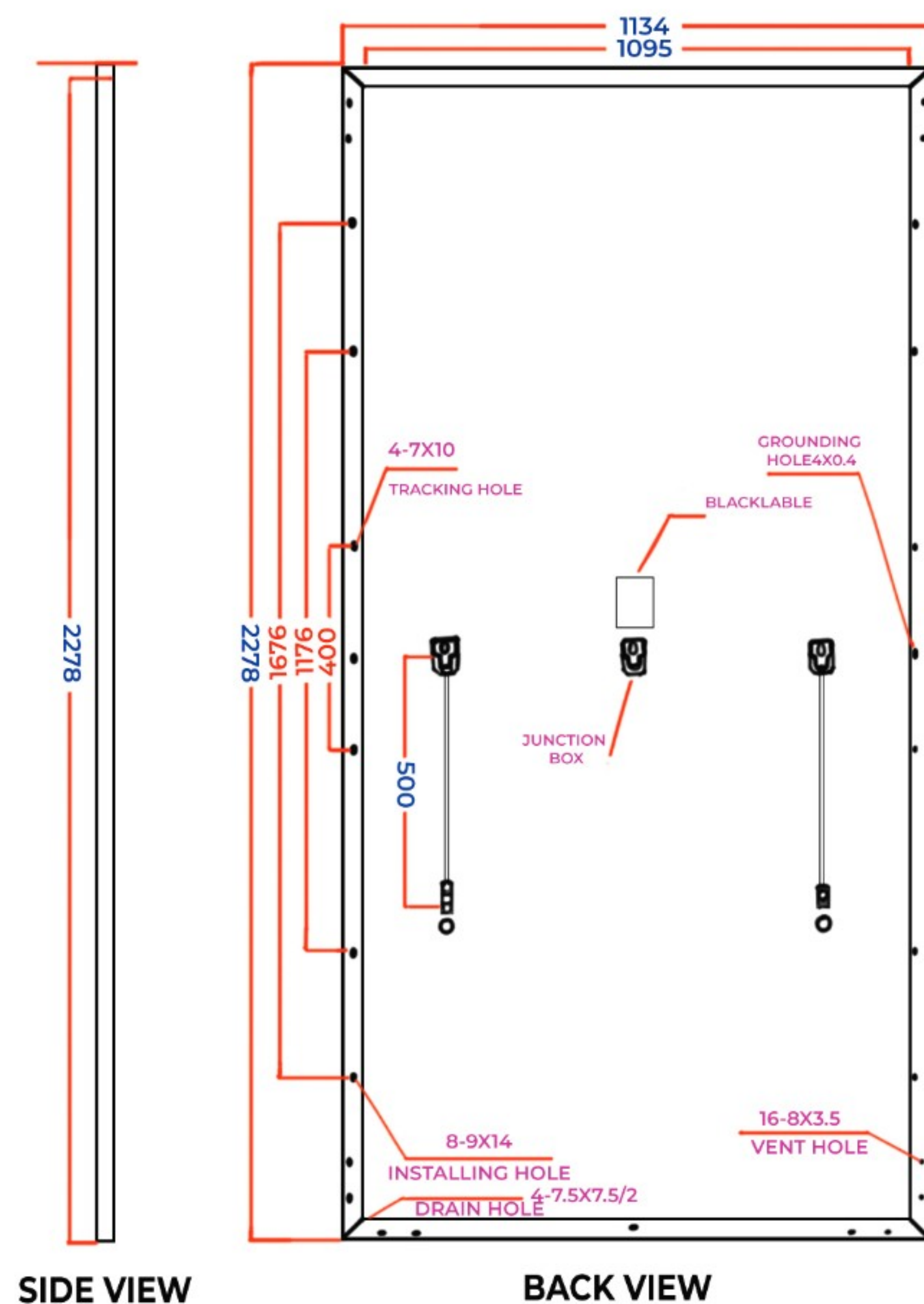
CONVENTIONAL SOLAR ROOF TECHNICAL DATA:

ELECTRICAL CHARACTERISTICS:

Model(s)	Pmax(W)	Vmp(V)	Imp(A)	Isc(A)	Voc(V)	Module Eff.(%)
	STC	STC	STC	STC	STC	
VIL - 550M	550	42.00	13.01	13.95	49.48	21.29%

*standard test conditions (STC)-1000w/m2 irradiance,Air Mass-1.5G,cell temp-25°C ambient temperature 20°C. , Air Mass-1.5G.

DESIGN SPECIFICATION



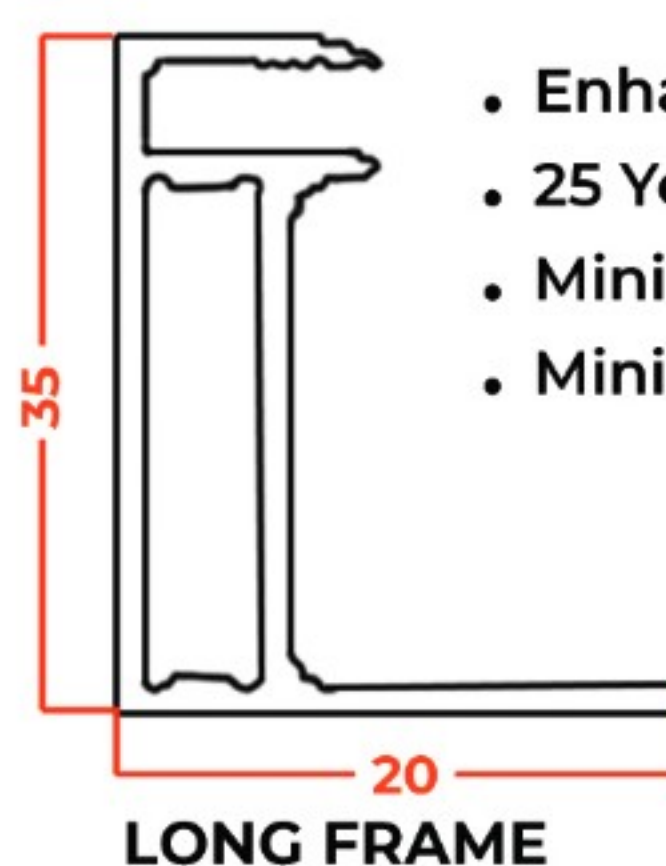
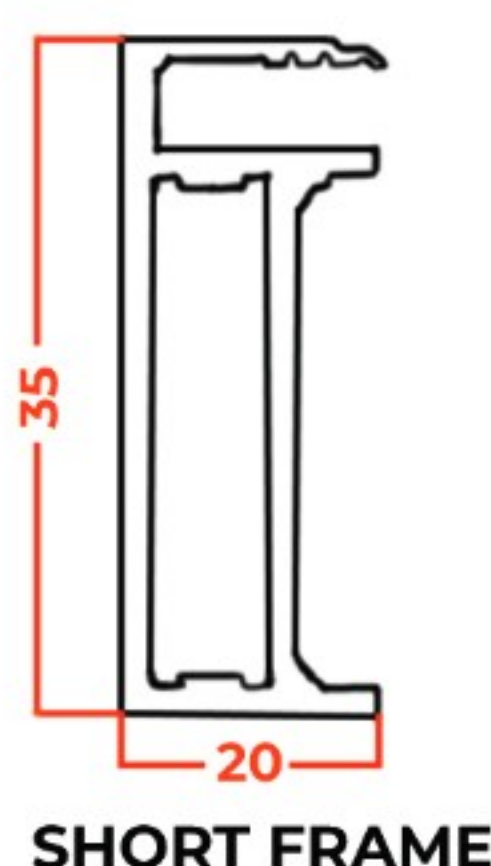
MECHANICAL CHARACTERISTICS:

Length X Width X Thickness (L X W XT)	2278 mm(L) X 1134 mm(W) X 35 mm(T)
Module Weight	27 kgs
Solar Cells per Module(Nos) / Cells Matrix	144/24X6
Solar Cell Type/ Size	Mono PERC Crystalline / 182X91mm Cut Cell
Front Glass	3.2mm Low Iron Tempered glass with ARC coating
Encapsulate	PID free & UV Resistant
Junction Box (Protection Degree/ Material)	IP 68/Weatherproof PPO
Connectors(Protection Degree/Type)	IP 68/ MC4 compatible
Cable Cross-Section & Length	4 mm2 & 500mm/300mm

THERMAL CHARACTERISTICS:

Temperature Coefficient of Current(Isc), a(%/°C)	+0.045
Temperature Coefficient of Voltage (Voc), B(%/°C)	-0.228
Temperature Coefficient of Power(Pmax), Y(%/°C)	-0.391
NOCT (°C)	46 ±2
Operating Temperature range (°C)	- 40 to 85

Frame section details.



- Enhanced product workmanship warranty-*12 years.
- 25 Years Power Output warranty.
- Minimum 90% Output at the end of 10 years.
- Minimum 80% Output at the end of 25 Years.

The future is clean and green

Eco-Friendly Energy

Cost Savings

Energy Independence

Low Maintenance

Increased Property Value

Government Incentives

Reliable Performance

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Telangana, India.
Atum.in, Vnext.in , Visaka.co. , Email: vsolar@visaka.in

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