

A T U M

by  **VISAKA**

ATUM IN ROOF



Solar modules featuring a uniquely patented profile that enables seamless installation without the need for a traditional roof structure.

Introducing a breakthrough in solar technology: solar modules with a unique patented profile that enable a seamless installation without the need for a traditional roof. This cutting-edge design allows for direct integration into various structures, eliminating the need for separate mounting or roofing systems. With its sleek and low-profile appearance, these solar modules provide a clean and elegant energy solution, perfect for modern architectural designs. The patented profile ensures durability and efficiency while offering a flexible installation process, making it ideal for spaces where conventional roofing isn't an option. Experience the future of energy independence with this innovative, roofless solar solution.

Features

- ✓ Leakproof
- ✓ Class-C fire rated & shockproof
- ✓ Withstands wind speeds up to 2400 pa
- ✓ Takes snow load up to 5400 pa
- ✓ Rain, hail, and snow resistant
- ✓ Proven to be all weather resistant
- ✓ Generates 1 kW in just 58 sq.ft
- ✓ Optimizes the given space to generate optimal energy
- ✓ High thermal insulation



ATUM is produdly certified by:



ISO

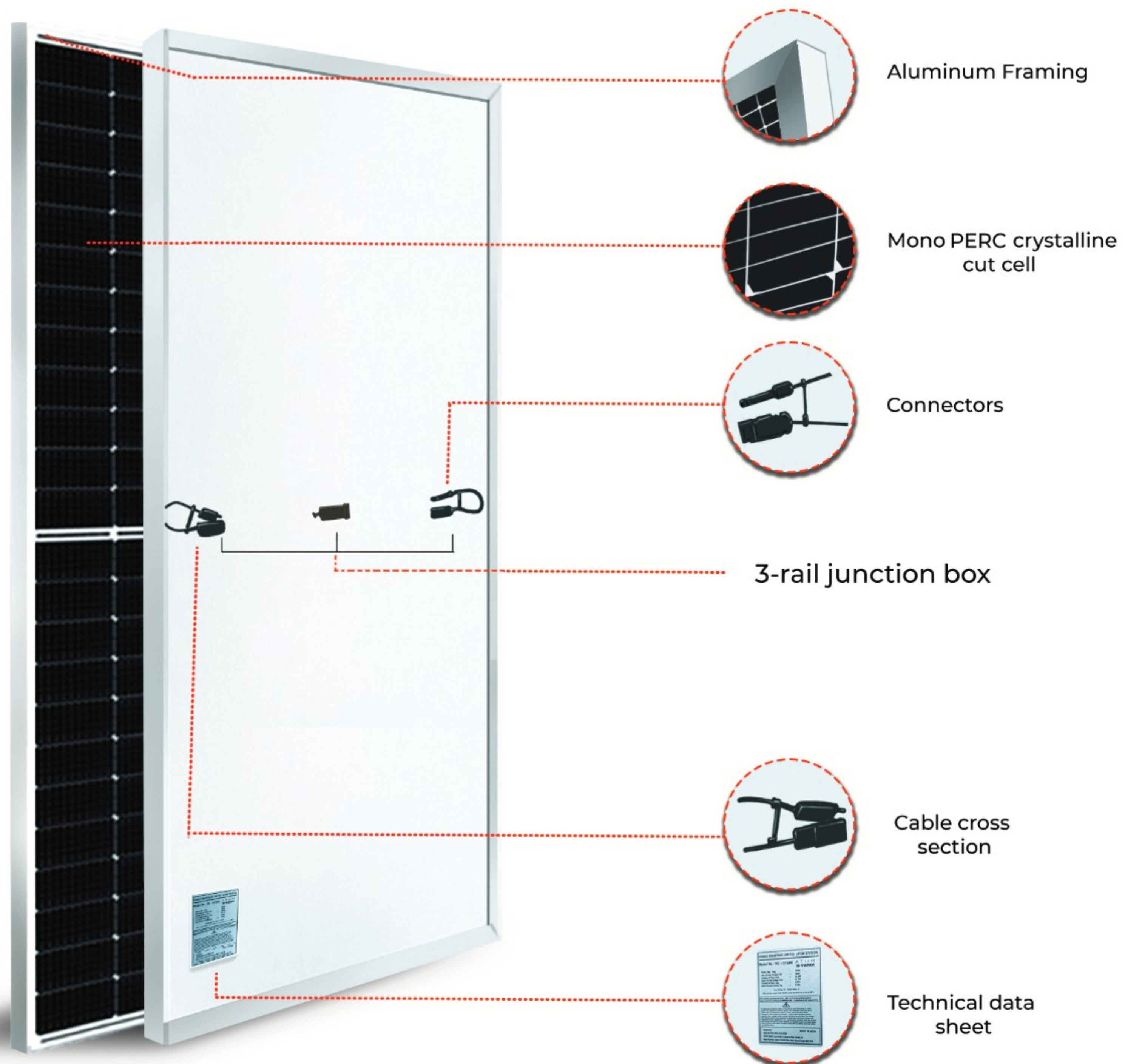


BIS



PID and SALT MIST

PRODUCT DETAILS:



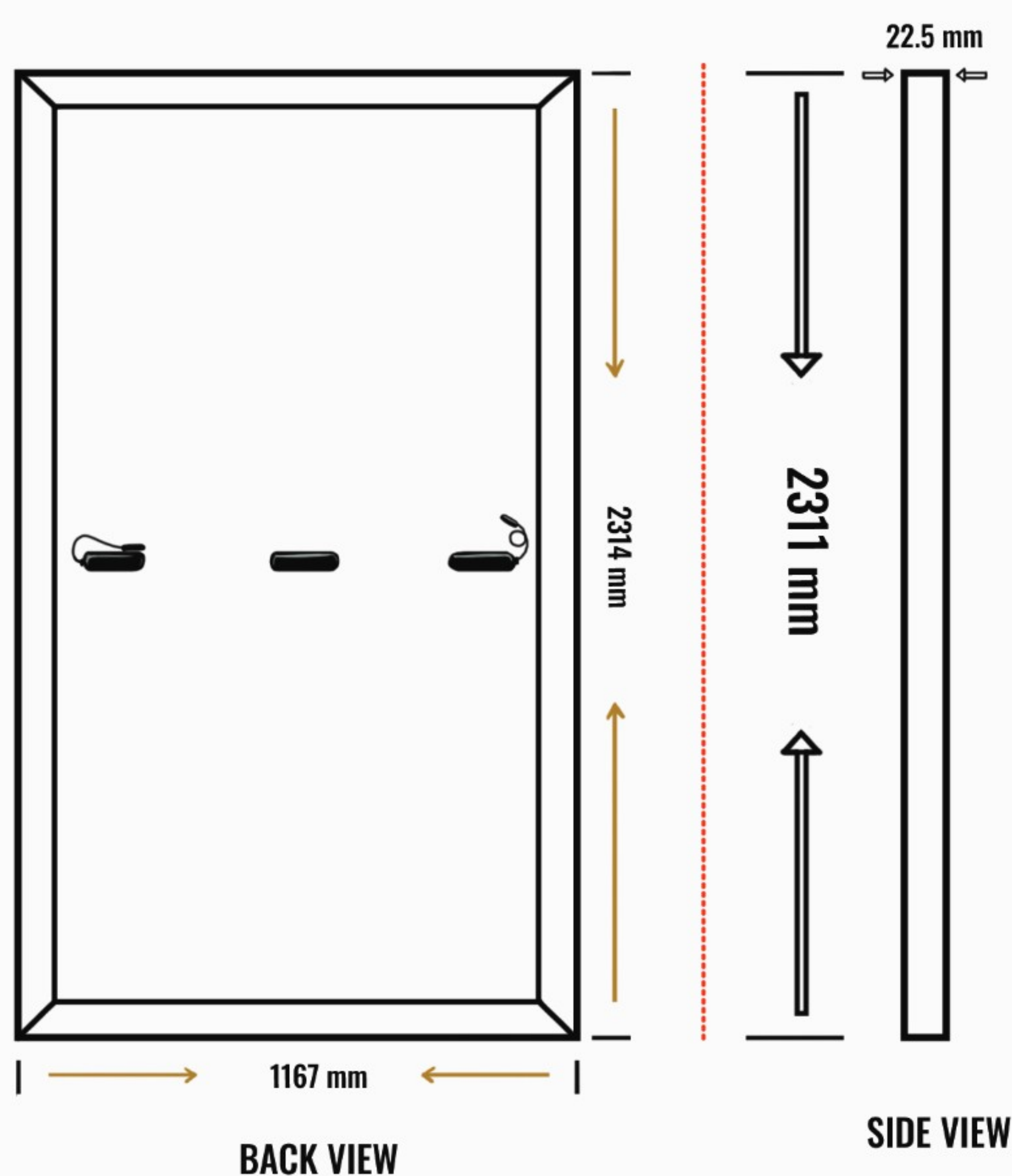
INROOF TECHNICAL DATA

ELECTRICAL CHARACTERISTICS:

Model(s)	Pmax(W)	Vmp(V)	Imp(A)	Isc(A)	Voc(V)	Module Eff.(%)
	STC	STC	STC	STC	STC	
VIL-550M	550	42.0	13.10	13.95	49.48	20.39%

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

DESIGN SPECIFICATIONS:



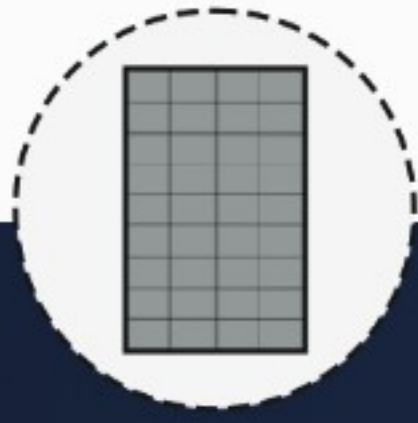
MECHANICAL CHARACTERISTICS:

Length x Width x Thickness (LXWXT) 18 mm(T)	2311 mm(L) X 1167 mm(W) x 22.5 mm(T)
Module Weight	29 kgs
Solar Cells per Module(Nos) / Cells Matrix	144/24X6
Solar Cells 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 mm ² & 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

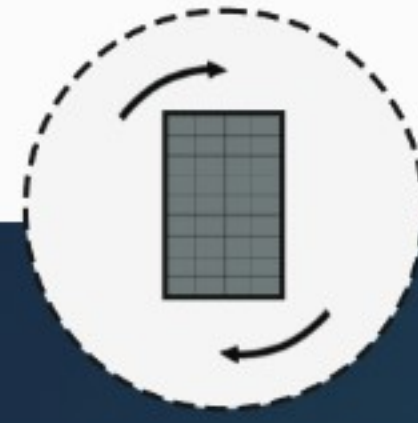
- ✓ Enhanced product workmanship warranty-*12 years.
- ✓ 25 Years Power Output warranty.
- ✓ Minimum 90% Output at the end of 10 years.
- ✓ Minimum 80% Output at the end of 25 Years.



Superior module efficiency as per international benchmarks



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



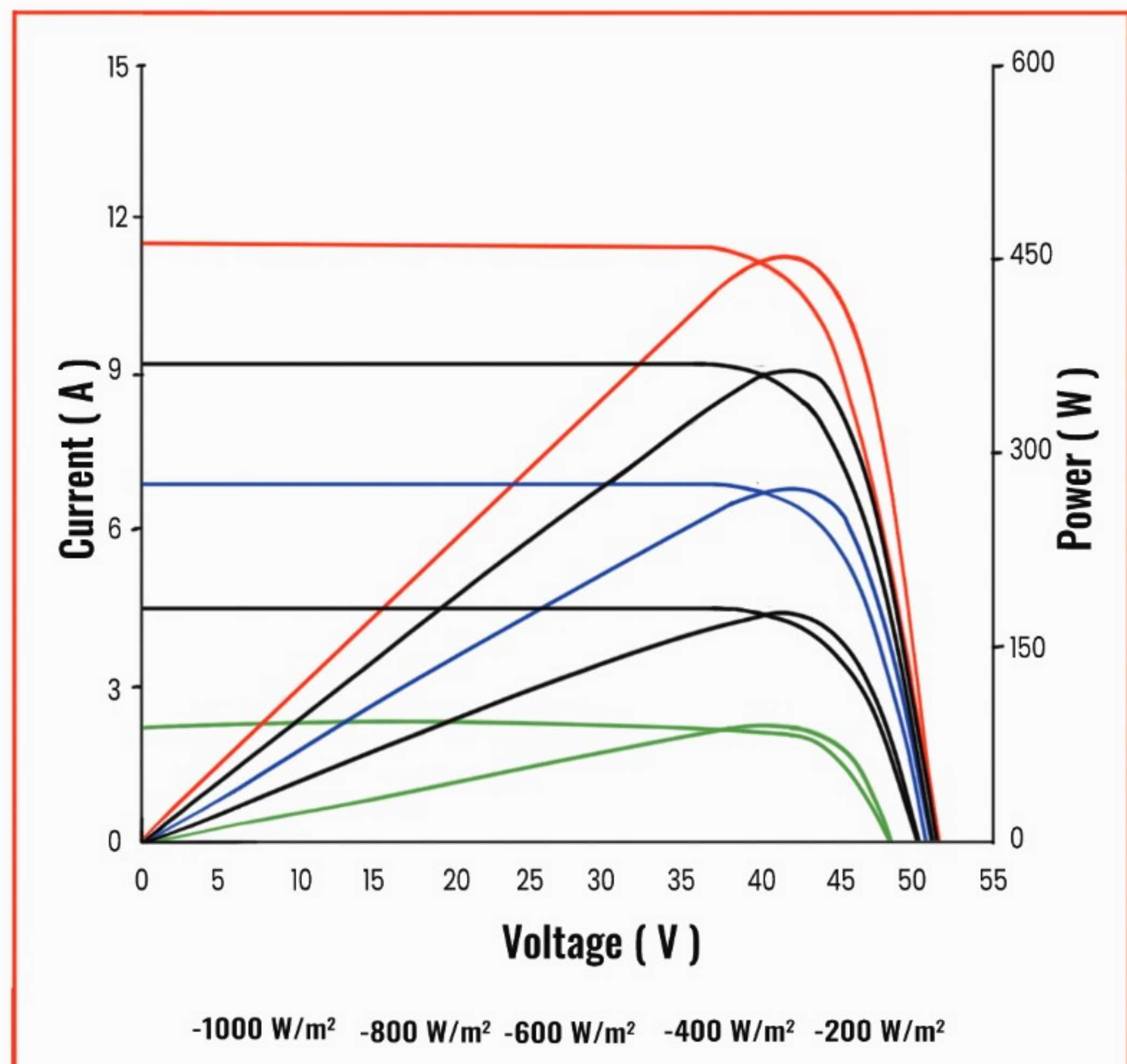
Sustain heavy wind & snow loads (2400 pa & 5400 pa)



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.



Positive tolerance offer



Water Resistant



Fire Resistance



Durable



Eco Friendly

- Extremely sleek 22.5 mm roof.
- High Thermal Resistance due to Low Thermal Conductivity
- 33% more power output in the same area as compared to Traditional solar roof.
- Can be used as roof instead of metal sheets, sloped RCC Or clay tiles
- Generates no noise and minimizes the effect of heat and Rain

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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