

A T U M
by  VISAKA

INTEGRATED SOLAR ROOF



INDIA, USA, SOUTH AFRICA



Atum solar roof is a two-in-one solution—a strong, beautiful roof that also captures sunlight to power your home. No separate panels needed!

Atum solar roof is a single, seamless product that combines the durability of a regular roof with built-in solar technology. It's not just a roof with panels on top—it's a roof that generates power. Your home stays protected, and you can produce your own energy, all in one.

Features

- ✓ Leakproof
- ✓ Class A fire rated & shockproof
- ✓ Withstands wind speeds up to 250 km/h
- ✓ No microcracks
- ✓ Takes snow load up to 1000 kg/panel
- ✓ 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

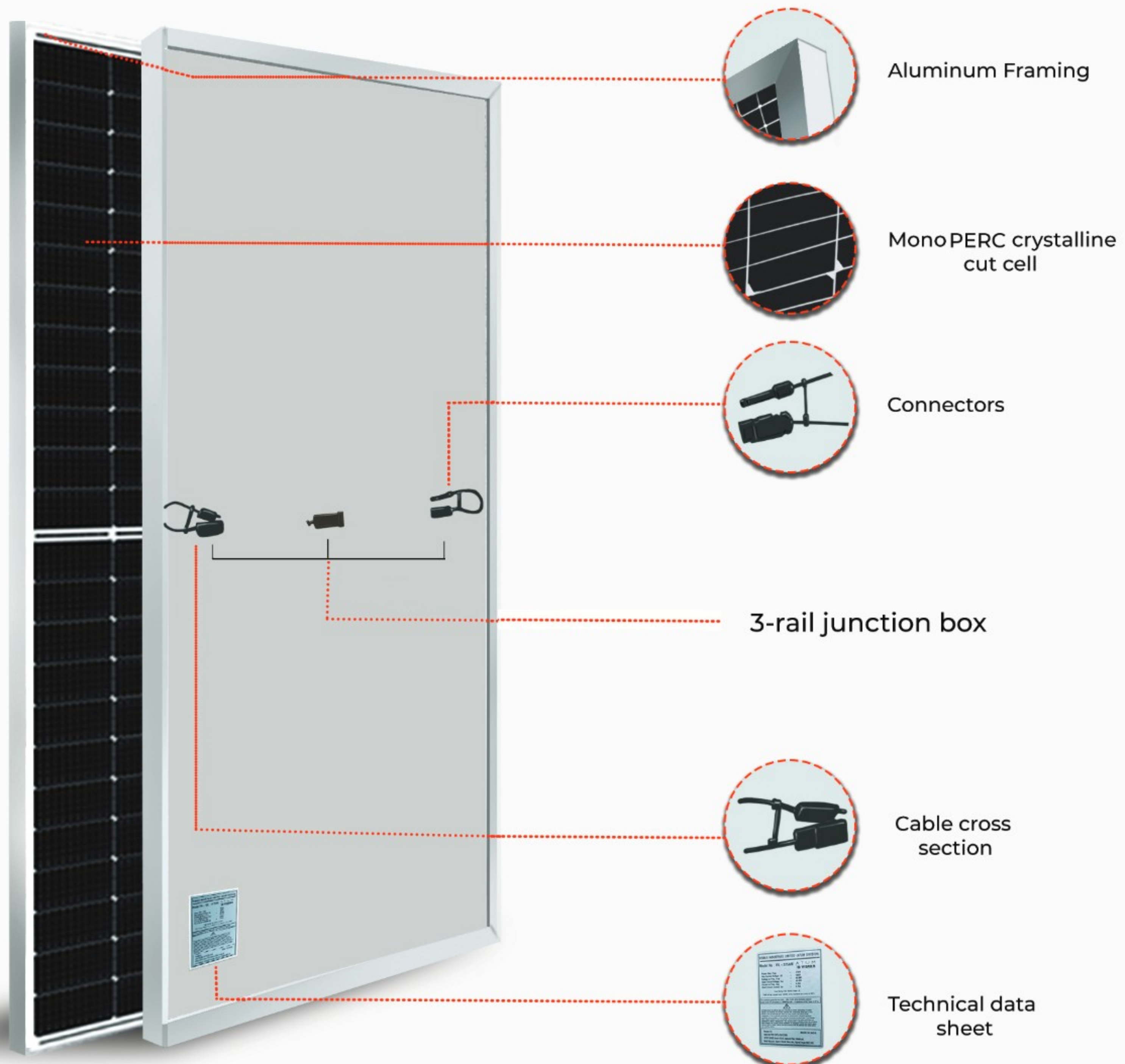


BIS



PID and SALT MIST

PRODUCT DETAILS:

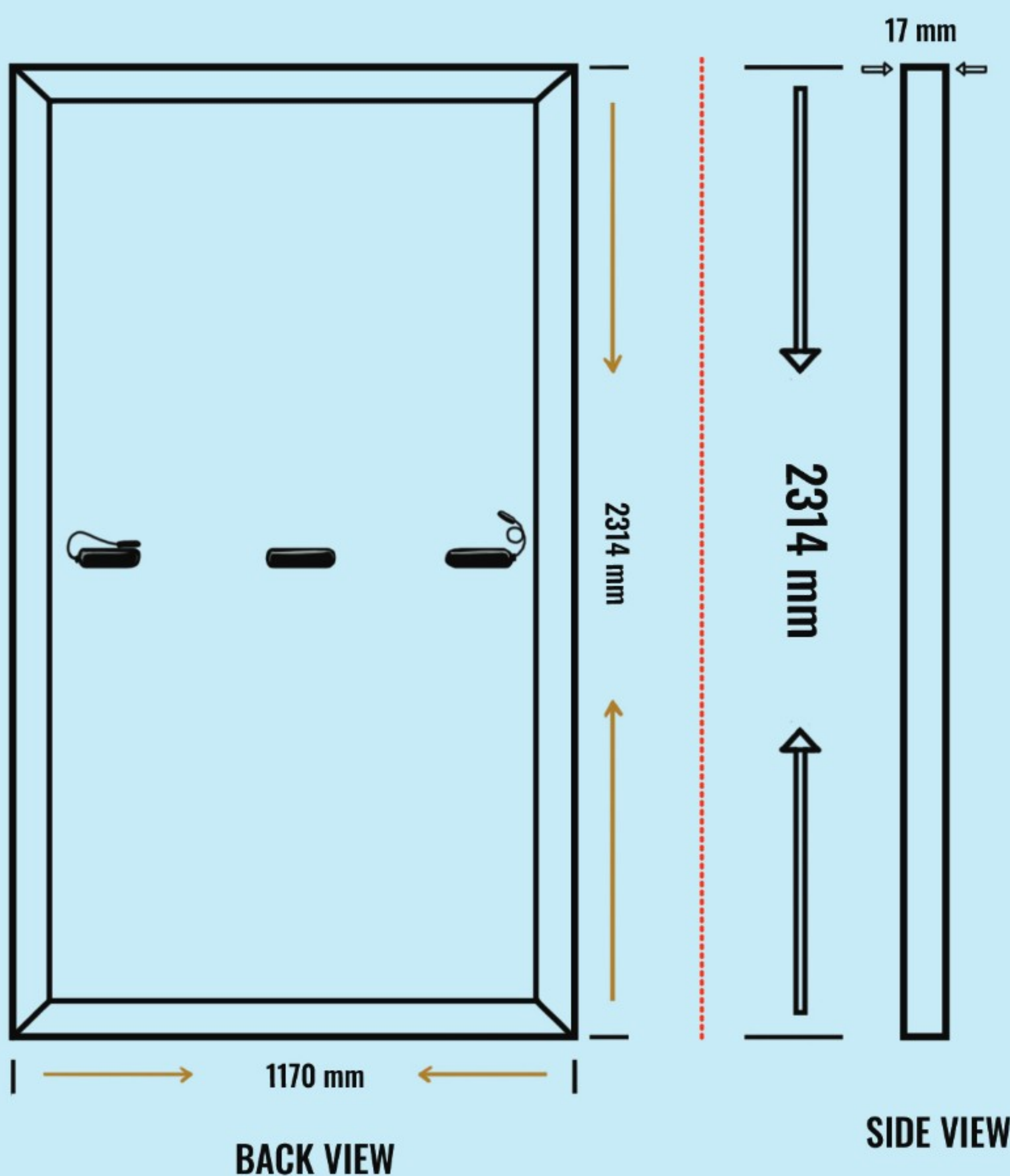


ELECTRICAL CHARACTERISTICS:

Model(s)	Pmax(W)	Vmp(V)	Imp(A)	Isc(A)	Voc(V)	Module Eff.(%)
	STC	STC	STC	STC	STC	
VIL-550AM	550	42.0	13.10	13.95	49.48	20.31%

*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:

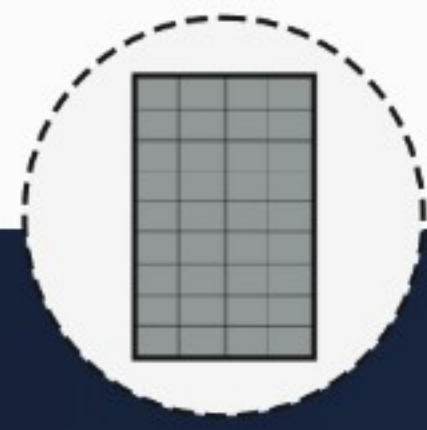
Length x Width x Thickness (LXWXT) 18 mm(T)	2314mm(L) X 1170 mm(W) x 17 mm(T)
Module Weight	58 kgs
Solar Cells per Module(Nos) / Cells Matrix	144/24X6
Solar Cells Type / Size	Mono PERC Crystalline / 182x91mm Cut Cell
Front Glass	3.2mm Low Iron Tempered glass with ARC coating
Encapsulate	PID free & UV Resistant
Junction Box (Protection Degree/ Material)	IP 68/ Weatherproof PPO
Connectors(Protection Degree/Type)	IP 68/ MC4 compatible
Cable Cross-Section & Length	4 mm2 & 500mm/300mm

THERMAL CHARACTERISTICS:

Temperature Coefficient of Current(Isc), a(%/°C)	+0.0419
Temperature Coefficient of voltage(Voc), B(%/°C)	-0.2678
Temperature Coefficient of Power(Pmax), Y(%/°C)	-0.3286
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.

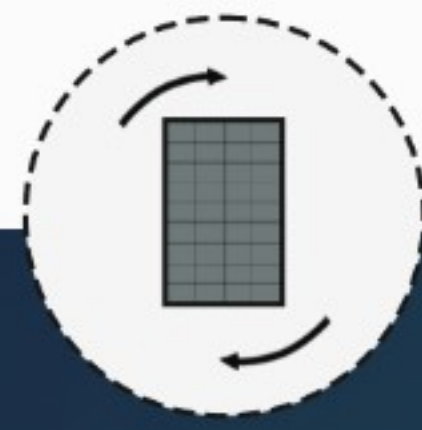
The electrical data given here is for reference purpose only.
Pl confirm your exact requirements with the sales representative while placing your order.
Refer Installation manual instructions & ATUM warranty statment for Terms and Conditions.
ATUM reserves the right to change the specifications without prior notice.



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



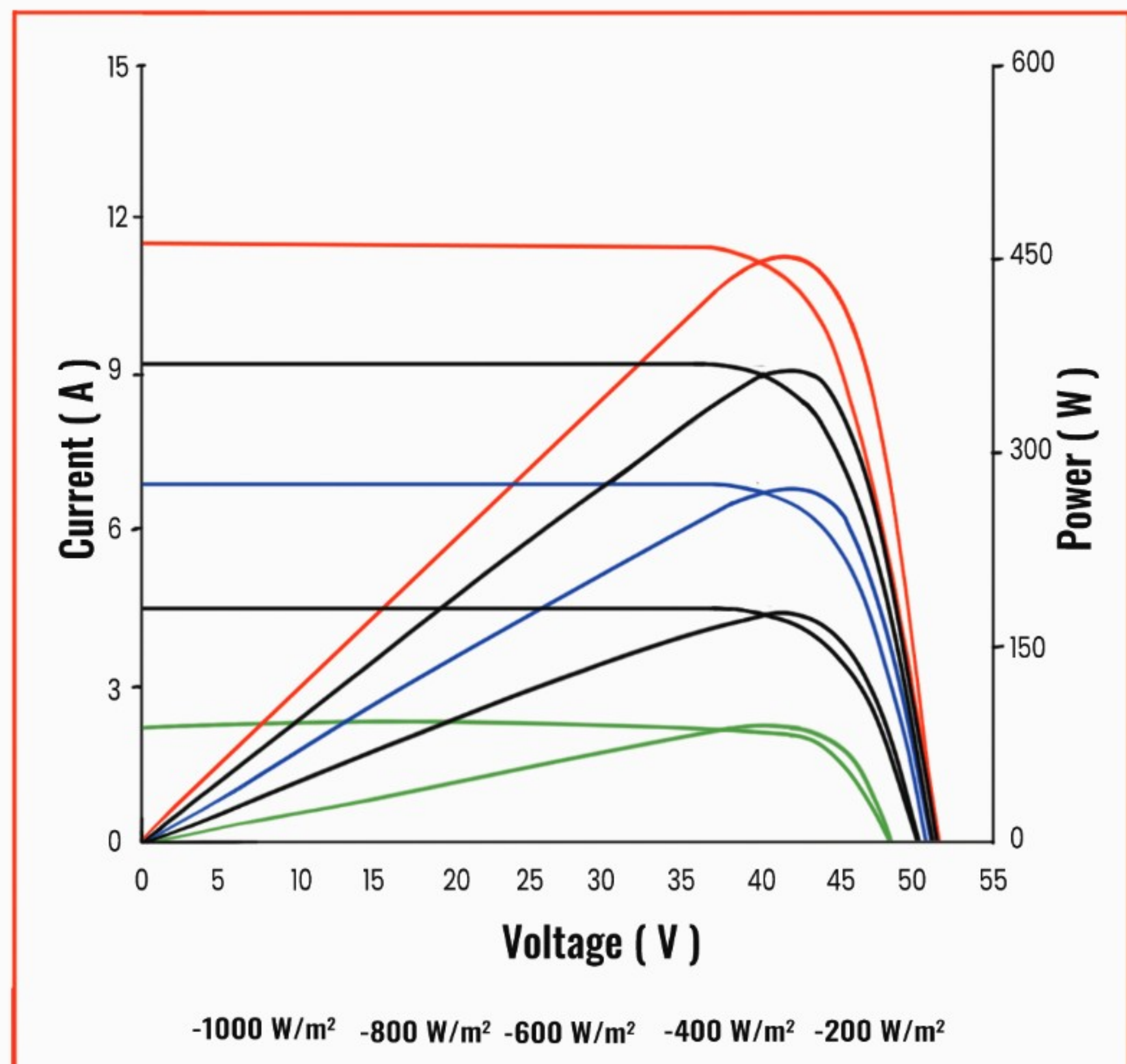
Sustain heavy wind & snow loads (2400 pa & 5400 pa)



Modules binned by current to improve systam 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 17 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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