

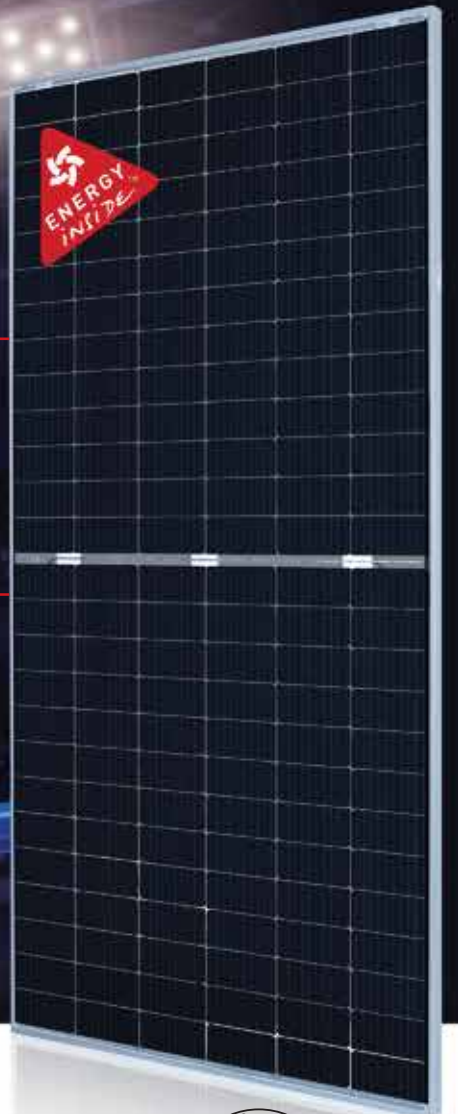
The next level of performance
isn't just progression.
It's *Transformat10n.*

POWER | RELIABILITY | PERFORMANCE

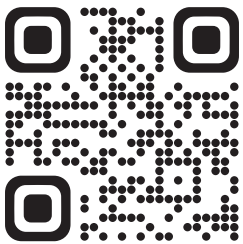
- Up to 610 Wp ●
- Up to 22.01% efficiency ●



WITH MONO PERC M10 CELL



Available with 108, 120 & 144 cells in bifacial glass-glass (Paradea), glass to transparent backsheet (Prexos) & monofacial (Somera) variants.



SCAN TO
REIMAGINE SOLAR



PARADEA

HIGH EFFICIENCY BI-FACIAL GLASS-GLASS PV MODULES

An amalgamation of endurance and agility, a fusion of quality and performance, a blend of balance and flexibility, the **M10 cell powered modules** are the next level of performance.

up to
610
Wp

Maximum
Efficiency **22.01%**

610 Wp with 156 cell variant.



BI-FACIAL GLASS-GLASS MODULE



MORE OUTPUT POWER PER STRING

About 20.45% more power is achievable for same string voltage*#



IMPROVED POWER GENERATION FOR A FIXED AREA

White mesh rear glass enhances more light absorption by utilizing non power generating areas*#



BIFACIAL GAIN UP TO 25% IS ACHIEVABLE#

Depending on the albedo, mounting provisions, surface type and other factors



OUTSTANDING RELIABILITY

With minimum exposure to corrosion from sand & salt mist with low risk from module warping & micro cracking



HIGHER PERFORMANCE WARRANTY

About 11.11%*#



9.09% LESS ANNUAL DEGRADATION

Due to improved reliability and durability*#



IMPROVED SPACE UTILIZATION IN TRANSPORTATION

Reduction in frame width results to about 9.5% power increase per 40- feet typical container*#



IMPROVED MECHANICAL LOAD PERFORMANCE

Due to usage of toughened double-glass structure



LOWER CELL CRACK

Reduced risk due to symmetric structure of glass on both sides allowing cells to bent only along the natural axis and not stretched



EASY INSTALLATION

With ability to install vertically in east west direction

* Advantages of M10 cell powered GG module over M6 cell powered GTB module, 144 cell variant.
Metrics mentioned here is as per internal calculations.

BI-FACIAL GLASS-TRANSPARENT BACKSHEET MODULE

PREXOS

HIGH EFFICIENCY BI-FACIAL GLASS TO TRANSPARENT BACKSHEET PV MODULES

up to
570
W_p

Maximum
Efficiency **22.1%**



PROLONGED SAFETY ASSURANCE

- IP68 with potting JB provides higher level of water ingress protection
- High insulation resistance for ensuring electrical safety



RELIABILITY IS IMPROVED

- Higher corrosion resistance to severe conditions of sand dust, concentrated ammonia and salt mist



LOWER LCOE

- Lower balance of systems cost
- Improves value proposition of the product with competitive ROI



HIGHLY AUTOMATED PRODUCTION LINE

- Multi stage EL and digitalised visual inspection results in lower defect rates
- Implemented engineering excellence ensures top notch quality



0% NEGATIVE POWER TOLERANCE

- Positive power tolerance of upto 0 ~ 4.99Wp
- Module I_{mp} binning radically reduces string mismatch losses



SUPERIOR BIFACIALITY

- High-transmittance composite film used as a backsheet leverages additional sunlight exposure, delivering higher overall energy yields



VERSATILITY

- Suitable for various installation scenarios including flat roofs and ground-mounted arrays, maximizing energy generation potential



ADAPTABILITY

- Perform optimally in diverse environments with different levels of sunlight and reflection, ensuring consistent energy output



AESTHETICS

- Sleek and modern design with a transparent backsheet, blending well with architectural aesthetics



EFFICIENCY IN SHADED AREAS

- Maintains performance in shaded conditions by utilizing reflected light, ensuring consistent energy production

somera

HIGH EFFICIENCY MONOFACIAL PV MODULES

up to
570
Wp

Maximum
Efficiency **22.1%**

MONOFACIAL MODULE



ENHANCED CELL AREA

M10 cell is increased by 20.2% which accounts for increased power output



EXCELLENT LOW LIGHT PERFORMANCE

Be it early morning, cloud or dusk, the monofacial modules perform even at low light conditions, due to the use of Mono-Perc cell technology



PERFORMANCE IN PARTIAL SHADOW CONDITIONS

Implementation of bypass diodes in split JB series-parallel connections enable the module to perform in partial shadow conditions with respect to full-cell module



REDUCTION IN HOTSPOT TEMPERATURES

Decline in heat production reduces chances of hot spot generation in shaded conditions



HIGHER NUMBER OF BUSBAR

Make the PV modules less prone to loss in efficiency and increase tolerance to micro cracks



LOWER INTERNAL RESISTANCE

Boosts module power helping to achieve minimal power loss with respect to previous variant modules



CYLINDRICAL TABBING WIRE

It is used to reduce the shadow on cell active area, result is about 1% increased module performance



FIELD RELIABILITY

Improved due to multiple contact points on the cell which lowers the cell stress during module fabrication



LCOE IS CUT BACK

By using M10 size solar cell with adding more power output than lower size cell module

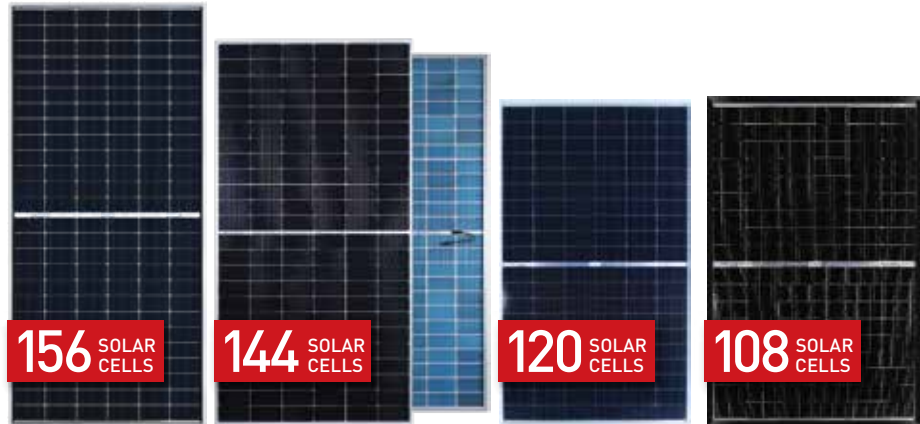
OUR OFFERINGS

DIFFERENT MODULES FOR DIFFERENT SOLAR PROJECTS

PARADEA

HIGH EFFICIENCY BI-FACIAL GLASS-GLASS PV MODULES

Bifacial Glass-Glass module

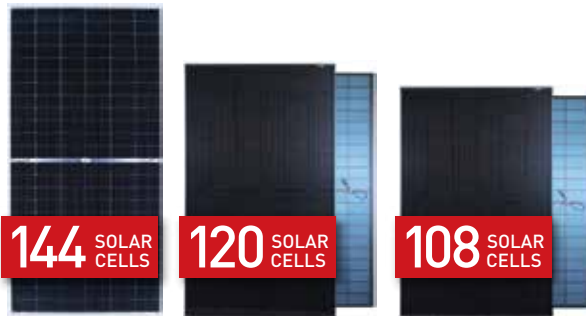


With
M10
cell

PREXOS

HIGH EFFICIENCY BI-FACIAL GLASS TO TRANSPARENT BACKSHEET PV MODULES

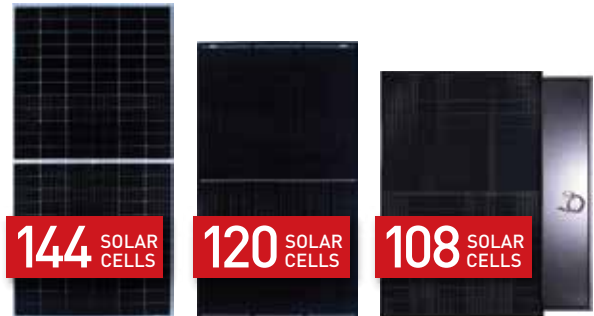
Bifacial Glass to Transparent backsheet module



somera

HIGH EFFICIENCY MONOFACIAL PV MODULES

Monofacial module



With a watt peak of up to 610W and 22.01% efficiency, the bifacial and monofacial solar modules with Mono Perc M10 solar cell packs power, efficiency and reliability into modules that are strong, durable, and easy to install, along with optimum savings and dependable service support.

It's not just progression. It's **Transform10n.**



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