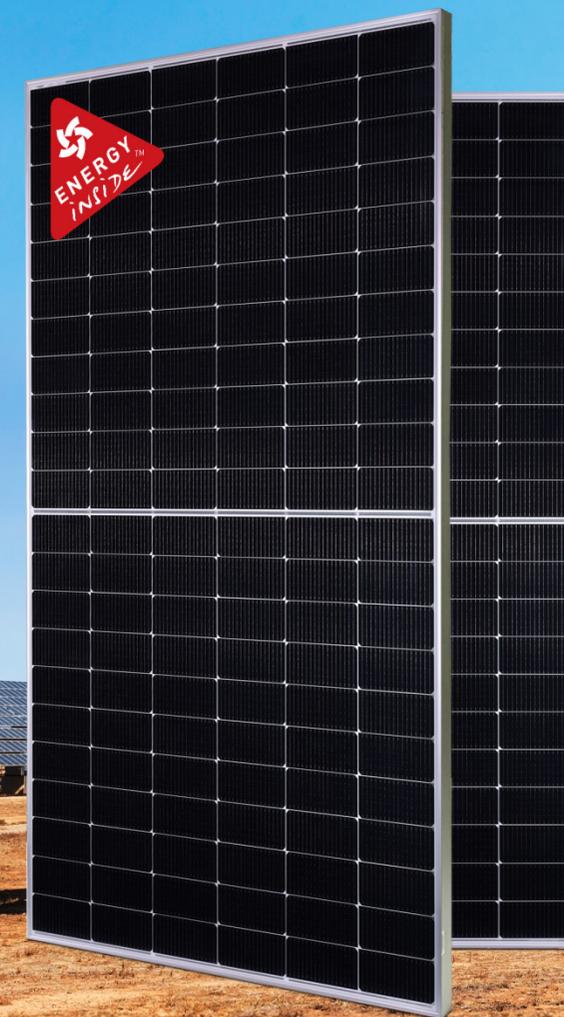


REACH
NEW HEIGHTS WITH THE
G12R MODULE

DELIVERING UP TO 635W WITH N-TYPE TECHNOLOGY

HYPERSOL
HIGH EFFICIENCY N-TYPE PV MODULES

-  IMPROVED LONGEVITY
-  PREMIUM PERFORMANCE PARAMETERS
-  SUPERIOR HAIL TEST PERFORMANCE
-  EFFECTIVE CONTAINER UTILIZATION
-  SUPERIOR TRACKER COMPATIBILITY



Maximum Efficiency %	Cell Type	Wattage Up to	Cell Number
23.51	G12_R	635W	132



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VKRW-HYPER-HYPERSOL-G12R-AUG-SEP-2025

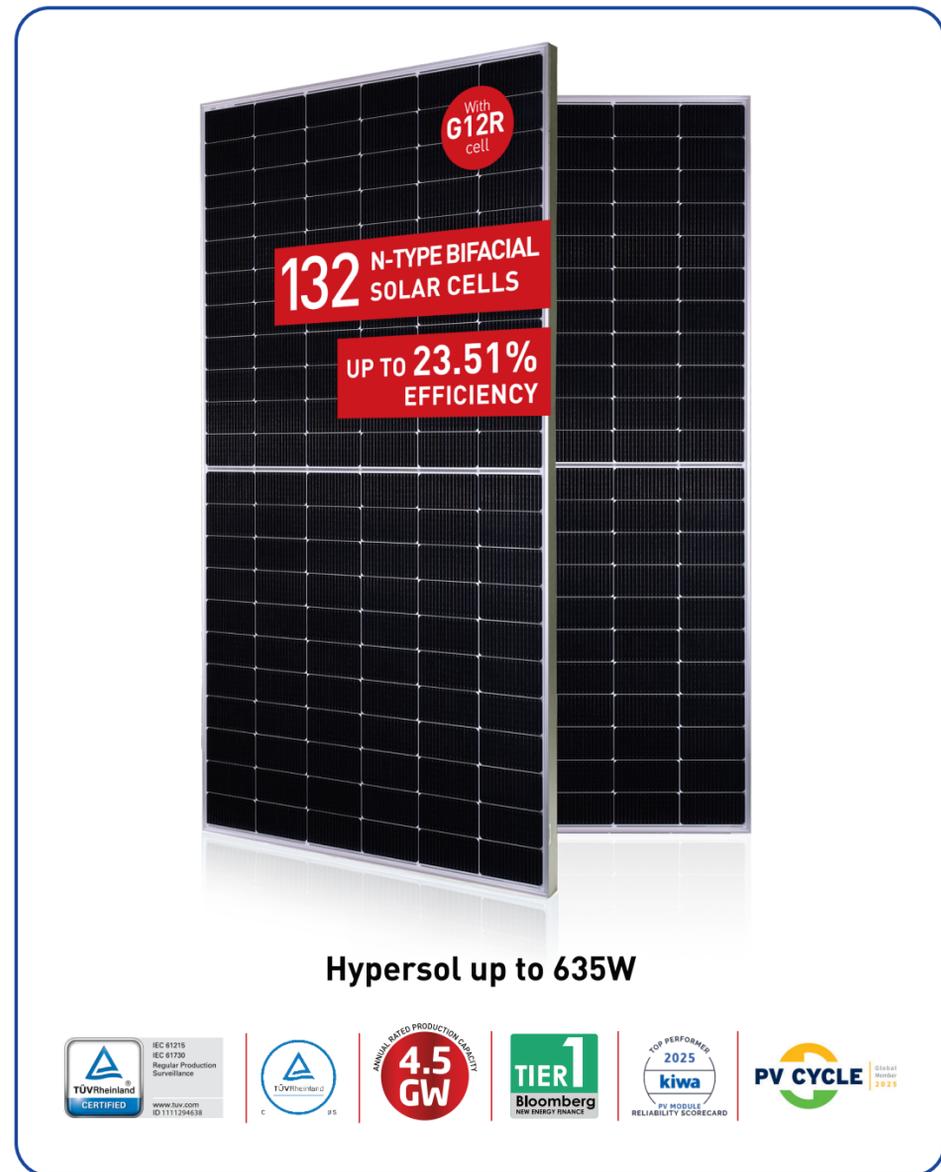
The prime focus of the solar research has always been to increase module efficiency and reducing the cost. The size of the wafer plays a crucial role in efficiency & performance. With the wafers becoming larger, the module efficiency has improved a lot, while on the otherhand, the balance of system costs has declined significantly. All these resulted in optimizing the LCOE of solar generation.

To enhance module efficiency, reduce overall system cost and maximize the utilization of standard 40-ft containers, the cutting edge G12R modules are designed as next-generation rectangular modules, featuring advanced 182 x 210 mm cell dimension.

With our Hypersol G12R N-TYPE cell modules with rectangular shaped cell, we have taken the module performance & efficiency to the next level.

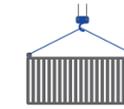
HYPERSOL

HIGH EFFICIENCY N-TYPE PV MODULES



VERSATILE MARKET TARGETING

Tailored for both residential and utility-scale markets, offering specialized modules to meet diverse project needs.



EFFECTIVE CONTAINER UTILIZATION

G12R module includes design concepts for maximizing container utilization (achieving a rate of 98.5%), increased customer value, manufacturability, and proven safety and reliability.



OPTIMIZED DIMENSIONAL ARCHITECTURE

The increased module size to 2382x1134mm for C&I and utility-scale projects enhances overall efficiency and maximizes space utilization, enabling developers to achieve higher energy density with fewer modules.



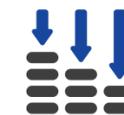
LOWER LCOE

The new generation G12R modules offer a more cost-effective solution for solar developers, contributing to higher project profitability.



SIGNIFICANT BOS SAVINGS

The higher string power reduces the need for PV cables and mounting systems, shortening installation time and lowering overall BOS costs.



SIGNIFICANT REDUCTION IN SHIPPING COSTS

The innovative design enables a 8% increase in boxed wattage, resulting in significant savings of overall kWh costs, offering a refined and cost-effective solar solution for large-scale solar projects, optimizing both logistics and energy production costs.



OPTIMIZED FOR 1P TRACKER SYSTEMS

The G12R module supports up to 3 strings and allows a maximum tracker length of 101 meters, delivering enhanced compatibility and efficiency for single-portrait (1P) tracker systems.



HIGHER POWER PER TRACKER

Featuring an improved open-circuit voltage (Voc), the G12R module provides up to 13% higher power per tracker compared to M10 modules, maximizing energy generation potential for large-scale solar installations.



BOOST IN EFFICIENCY

Experience performance with cutting-edge G12R module, surpassing traditional M10 modules with a remarkable 3% efficiency enhancement.



FASTER DEPLOYMENT

Streamlined installation process due to higher string power, accelerating project timelines and returns on investment