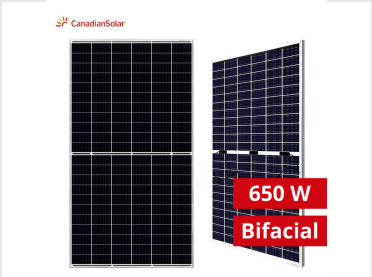
MERHEIN
Technical Datasheet

18 April 2026

665W Bifacial Mono PERC Solar Panel

This bifacial high power dual cell PERC module achieves up to 665W front side power. It has excellent hot spot performance and lower LCOE.



ADDITIONAL IMAGES

Product Overview

The bifacial design allows for energy capture from both sides, maximizing total power output for utility-scale projects.

High-Efficiency Bifacial Solar Solution

The Bifacial High Power Dual Cell PERC Module is designed to maximize energy yield by capturing sunlight from both the front and rear surfaces. Engineered for utility-scale and commercial installations, it offers a front-side power range up to 665W and a module efficiency reaching 21.1%. This robust module significantly reduces the Levelized Cost of Energy (LCOE) while providing superior shading tolerance and hot spot performance.

Key Features	Bifacial Technology, Mono PERC, Dual Cell, Low LCOE, High Efficiency, LID/LeTID Mitigation

Performance Metrics

Performance Highlights

665 W	21.1 %	210 mm
Max Power (Pmax)	Max Efficiency	Wafer Size

Mechanical Specifications

Cell Type	Mono-crystalline
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions (CS7N)	2384 x 1303 x 35 mm
Dimensions (CS7L)	2172 x 1303 x 35 mm

Electrical & Operating Data

Fire Performance
CLASS C (IEC 61730)

Operating Temperature	-40°C to +85°C
Max System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)

Reliability & Durability

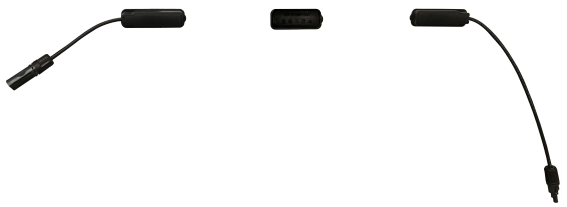
Mechanical Load Capacity

- Heavy snow load up to 5400 Pa
- Wind load up to 2400 Pa

Reliability Benefits

- 40 °C lower hot spot temperature
- Minimizes micro-crack impacts
- Comprehensive LID / LeTID mitigation
- Up to 50% lower degradation

Installation & Compatibility



Optimized cable lengths and high-quality connectors ensure simplified installation and reduced energy loss.

System Compatibility

- Compatible with mainstream trackers
- Optimized cable length for simplified wiring
- Reduced energy loss in cables