

# Bifacial High Power Mono PERC Solar Module

This bifacial high power module utilizes dual cell PERC technology. It achieves up to 30% more energy yield from the back side and operates at a low hot spot temperature.



## ADDITIONAL IMAGES



## Overview



The BiHiKu6 module features advanced bifacial technology to capture sunlight from both sides, increasing total energy yield.

### High-Efficiency Bifacial Solar Technology

The BiHiKu6 is a high-power Mono PERC solar module designed to maximize energy yield by capturing sunlight from both the front and rear surfaces. Engineered for utility-scale and commercial installations, it features advanced dual-cell technology that significantly reduces the Levelized Cost of Energy (LCOE) and system costs. With enhanced shading tolerance and low hot spot temperatures, this module ensures reliable long-term performance in diverse environmental conditions.

#### Module Type

Bifacial, Mono PERC, Dual Cell, High Power

## Performance Highlights

### Key Performance Metrics

**550 W**

Max Front Power

**21.2 %**

Max Efficiency

**30 %**

Bifacial Gain Up To

## Electrical Specifications

### Electrical Parameters

| Parameter               | Value                   |
|-------------------------|-------------------------|
| Front Side Power Range  | 520 ~ 550 W             |
| Operating Temperature   | -40°C ~ +85°C           |
| Max. System Voltage     | 1500V or 1000V (IEC/UL) |
| Module Fire Performance | CLASS C (IEC 61730)     |

## Mechanical Design

### Mechanical Details

| Property         | Specification       |
|------------------|---------------------|
| Dimensions       | 2266 x 1135 x 35 mm |
| Weight           | 32.2 kg             |
| Cell Type        | Mono-crystalline    |
| Cell Arrangement | 144 [2 x (12 x 6)]  |
| Wafer Size       | 182 mm              |

### Junction Box Rating

IP68 • Split Design

## Advanced Features

### Technical Advantages

- Comprehensive LID / LeTID mitigation technology
- Up to 50% lower degradation rates
- Compatible with mainstream solar trackers
- IP68 split junction boxes for better heat dissipation
- Optimized cable length for reduced energy loss
- Low hot spot temperature for enhanced safety