

530W-550W Mono PERC Solar Panel with 144 Half-Cut Cells

This high-efficiency Mono PERC solar panel features 144 half-cut cells utilizing 182mm wafer technology. It provides a power output ranging from 530W to 550W and is designed for durability.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Mono PERC Solar Module

This high-performance monocrystalline solar module features 144 half-cut cells utilizing advanced 182mm wafer technology. Engineered for versatility, it delivers a power output range of 530W to 550W, making it an excellent choice for residential, commercial, and utility-scale solar installations. Its robust design ensures reliable energy conversion and long-term durability across diverse environmental conditions.

Key Features

Cell Technology

Monocrystalline, PERC, 144 Half-Cut Cells, 182mm Wafer

Warranty

Warranty Coverage

- 10-year repair and workmanship warranty
- 12-year warranty at 90% power output
- 25-year warranty at 80% power output

Electrical Parameters (STC)

Performance Metrics (STC)

| Power | Voc (V) | Isc (A) | Efficiency |
|-------|---------|---------|------------|
| 530W | 49 | 13.76 | 20.51% |
| 535W | 49.2 | 13.81 | 20.70% |
| 540W | 49.4 | 13.87 | 20.90% |
| 545W | 49.6 | 13.93 | 21.09% |
| 550W | 49.8 | 13.99 | 21.28% |

Electrical Parameters (NMOT)

Performance Metrics (NMOT)

| Power | Voc (V) | Isc (A) | Efficiency |
|-------|---------|---------|------------|
| 395W | 45.9 | 11.09 | 15.28% |
| 399W | 46.1 | 11.13 | 15.44% |
| 402W | 46.3 | 11.18 | 15.56% |
| 406W | 46.4 | 11.23 | 15.71% |
| 410W | 46.6 | 11.28 | 15.86% |