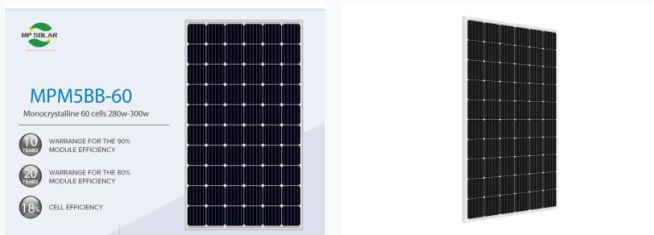


# 450W Monocrystalline Solar Panel

This 450W monocrystalline solar panel is designed for optimal energy conversion. It is engineered for durability and performance, featuring a robust frame and weather-resistant construction.



## ADDITIONAL IMAGES



## Product Overview



### High-Efficiency 450W Monocrystalline Solar Panel

This high-performance monocrystalline solar panel is engineered for professional residential, commercial, and industrial solar installations. With a nominal power output of 450W and advanced cell technology, it provides superior energy conversion efficiency of up to 21.27%. Designed for long-term durability, the module comes with robust performance warranties and is built to withstand varied environmental conditions, making it an ideal choice for both grid-tied and off-grid energy systems.

## Certifications & Support

<b>Certifications</b>	TUV, CE, ISO, CQC, SGS
<b>After-Sales Service</b>	24 hours technical support with local service engineers available in selected regions

## Performance Metrics

### Key Performance Indicators

**450 W**

Max Power Output

**21.27 %**

Max Efficiency

**800 MW**

Annual Production Capacity

### Efficiency Warranty

Warranty Period	Efficiency Output
10 Years	90%
20 Years	80%

## Technical Specifications



### Electrical Parameters

Property	450W Model
Power Output (W)	450
Module Efficiency (%)	20.81
Voltage at Pmax (V)	42.0
Power Tolerance (0/+3W)	3