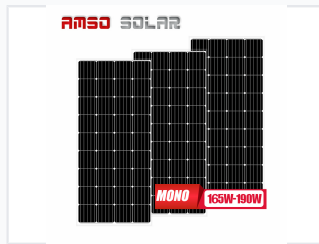
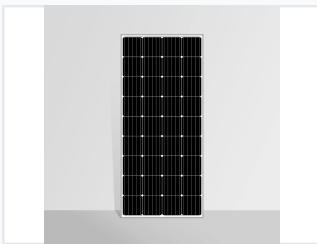


# 155W-190W Monocrystalline 36-Cell Solar Panel

This monocrystalline solar panel contains 36 cells and delivers between 155W and 190W of power. It is designed for use in residential, commercial, and off-grid solar systems.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency 36-Cell Monocrystalline Solar Panel

This standard-size solar panel series offers a power range from 155W to 190W, utilizing 36 high-efficiency monocrystalline cells. Designed for versatility, these modules are ideal for residential, commercial, and off-grid applications where reliable energy generation is required. The panels feature advanced 5-busbar technology and a robust aluminum frame to ensure long-term durability and excellent performance even in low-light conditions.

## Key Performance Metrics

### Performance Highlights

**190 W**

Max Power Output

**20.37 %**

Max Efficiency

**36**

Cell Count

**1500 VDC**

Max System Voltage

## Electrical Specifications (Mono)

**Main Electrical Parameters**

Model	165M-36	170M-36	175M-36	180M-36	190M-36
Power (W)	165	170	175	180	190
Vmp (V)	18.3	18.5	18.7	19.0	19.4
Imp (A)	9.02	9.19	9.36	9.48	9.8
Voc (V)	22.5	22.8	23.1	23.5	23.8
Isc (A)	9.65	9.75	9.78	9.82	10.17

**Pmax Electrical Parameters**

Model	165M-36	170M-36	175M-36	180M-36	190M-36
Power (W)	165	170	175	180	190
Vmp (V)	18.3	18.5	18.7	19.0	19.4
Imp (A)	9.02	9.19	9.36	9.48	9.8
Voc (V)	22.5	22.8	23.1	23.5	23.8
Isc (A)	9.65	9.75	9.78	9.82	10.17

**Temperature Coefficients**

Parameter	Value
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.23 %/°C
Temperature Coefficient of Isc	0.05 %/°C

**Maximum Ratings**

Parameter	Value
Maximum System Voltage	1000 VDC
Maximum System Current	10 A

**Working Conditions**

Parameter	Value
Operating Temperature	-40°C to +85°C
Relative Humidity	95%
Wind Speed	2400 km/h
Snow Load	5400 Pa

Detailed dimensions, mounting hole locations, and current-voltage characteristics at various temperatures.

### Monocrystalline Model Comparison

Model	Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)
165M-36	165	18.3	9.02	22.5	9.65
170M-36	170	18.5	9.19	22.8	9.75
175M-36	175	18.7	9.36	23.1	9.78
180M-36	180	19	9.48	23.5	9.82
190M-36	190	19.4	9.8	23.8	10.17

### Physical Characteristics

Module Dimensions	1480 * 670 * 35 mm
Module Weight	11 kg
Frame Type	High-stability Aluminum Frame

### Environmental Ratings

#### Mechanical Load Capacity

- Wind Load: 2400 Pascal
- Snow Load: 5400 Pascal
- High Salt Mist Resistance
- Ammonia Resistance

Operating Temperature Range	-40°C to +85°C
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### Temperature Coefficients

Temp. Coefficient of PMAX	-0.37 %/°C
Nominal Module Operating Temp	41±3°C

## Certifications & Warranty

**ARBO SOLAR**  
**36 cells 150-190w**

**PRODUCT ADVANTAGE**

- ▶ **5-BUSBAR TECHNOLOGY**
- ▶ **MONOCRYSTALLINE**
- ▶ **ANTI-REFLECTIVE COATING**
- ▶ **ANTI-PEDESTAL**
- ▶ **ANTI-LEAF PERFORMANCE**
- ▶ **ANTI-DEGRADATION**
- ▶ **ANTI-WEATHER RESISTANCE**

**TECHNOLOGY**

- ▶ **5-BUSBAR TECHNOLOGY**
- ▶ **MONOCRYSTALLINE**
- ▶ **ANTI-REFLECTIVE COATING**
- ▶ **ANTI-PEDESTAL**
- ▶ **ANTI-LEAF PERFORMANCE**
- ▶ **ANTI-DEGRADATION**
- ▶ **ANTI-WEATHER RESISTANCE**

**KEY FEATURES**

- ▶ **5-BUSBAR TECHNOLOGY**
- ▶ **MONOCRYSTALLINE**
- ▶ **ANTI-REFLECTIVE COATING**
- ▶ **ANTI-PEDESTAL**
- ▶ **ANTI-LEAF PERFORMANCE**
- ▶ **ANTI-DEGRADATION**
- ▶ **ANTI-WEATHER RESISTANCE**

**QUALIFICATION**

- ▶ **TUV**
- ▶ **CE**
- ▶ **SGS**
- ▶ **IEC 1500V**
- ▶ **UL**
- ▶ **ISO**

**Linear performance warranty**

▶ **25-Year Linear Power Warranty**

▶ **0.5% Power Loss Per Year**

▶ **100% Power Output at Year 25**

▶ **100% Power Output at Year 0**

▶ **100% Power Output at Year 1**

▶ **100% Power Output at Year 2**

▶ **100% Power Output at Year 3**

▶ **100% Power Output at Year 4**

▶ **100% Power Output at Year 5**

▶ **100% Power Output at Year 6**

▶ **100% Power Output at Year 7**

▶ **100% Power Output at Year 8**

▶ **100% Power Output at Year 9**

▶ **100% Power Output at Year 10**

▶ **100% Power Output at Year 11**

▶ **100% Power Output at Year 12**

▶ **100% Power Output at Year 13**

▶ **100% Power Output at Year 14**

▶ **100% Power Output at Year 15**

▶ **100% Power Output at Year 16**

▶ **100% Power Output at Year 17**

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▶ **100% Power Output at Year 198**

▶ **100% Power Output at Year 199**

▶ **100% Power Output at Year 200**

Key advantages including 5-busbar technology and 25-year linear power warranty performance.

### Warranty Coverage

- 12-Year Product Warranty
- 25-Year Linear Power Warranty

### Product Certifications

TUV, CE, SGS, IEC 1500V, UL, ISO

## Logistics Data

40'GP Container Capacity

1350 pieces (45 pallets)