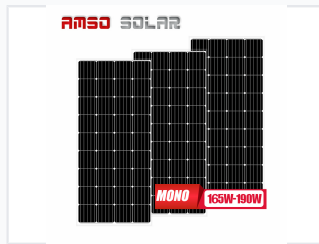
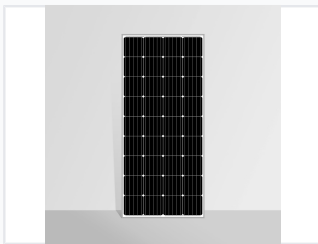


155W-190W Monocrystalline 36-Cell Solar Panel

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	Power (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

Pmp Electrical Parameters

Model	Power (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

Temperature Coefficients

Parameter	Value
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Vmp	-0.21 %/°C
Temperature Coefficient of Imp	0.05 %/°C

Maximum Ratings

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

Mounting Dimensions

Parameter	Value
Mounting Hole Spacing	140 mm
Mounting Hole Diameter	4.5 mm
Mounting Hole Position	±0.2 mm

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

