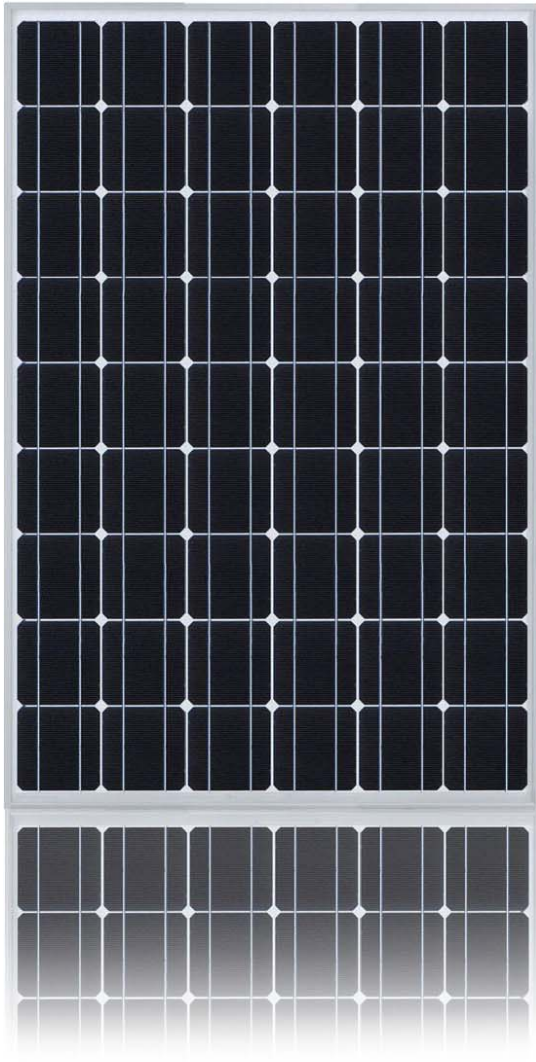


# Monocrystalline Solar Panel

# Model :SSA220W-27MD



## Applications

- ☐ On-grid residential roof-tops
- ☐ On-grid commercial/industrial roof-tops
- ☐ Solar power stations
- ☐ Other on-grid applications

## Electrical Data

Maximum Power(W)	220W
Optimum Power Voltage(Vmp)	28.32V
Optimum Operating Current(Imp)	7.77A
Open Circuit Voltage(Voc)	33.55V
Short Circuit Current(Isc)	8.31A
Cell Efficiency (%)	17.06%
Module Efficiency (%)	14.96%
Tolerance Wattage(e.g. +/-3%)	±3%
NOCT	47°C +/-2°C

## Benefits

- ☐ High efficiency solar cells with high transmission and textured glass are delivering high efficiency for modules;
- ☐ Bypass diode minimizes the power drop caused by shade;
- ☐ Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- ☐ Modules independently tested to ensure conformance with certification and regulatory standards;
- ☐ Manufacturing facility certified to ISO 9001 quality management system standards.

## Temperature Coefficients

Temperature Coefficients of Isc(%)/°C	+0.04
Temperature Coefficients of Voc(%)/°C	-0.38
Temperature Coefficients of Pm(%)/°C	-0.47
Temperature Coefficients of Im(%)/°C	+0.04
Temperature Coefficients of Vm(%)/°C	-0.38



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## Components & Mechanical Data

Solar Cell	156*156 Mono
Number of Cell(pcs)	6*9
Size of Module(mm)	1485*990*40
Front Glass Thickness(mm)	3.2
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	17
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	12
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	40#
Backing (Brand Type)	TPT
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25 +/-2°C

## Warranty & Certifications

Warranty	25 year limited power warranty
	10 year limited product warranty
Certifications	IEC 61215, IEC 61730

## Packing

Packing	Wooden Box
1*20'	14Pallets/354pcs
1*40'HQ	30Pallets/796pcs

## Engineering Drawings

