

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

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**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Sova Power Limited**

**SS160P-36**

**SS160P**

Also available on the web at  
[EnergyPal.com/sova-power-limited-solar-panels/ss160p](http://EnergyPal.com/sova-power-limited-solar-panels/ss160p)



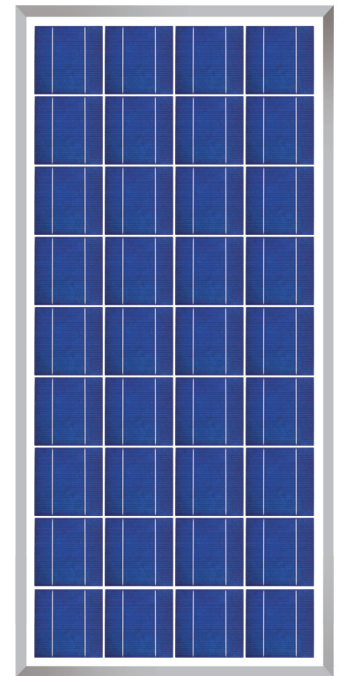
ENERGISING THE FUTURE...

SS160P

150Wp-160Wp



- Excellent Power Output with +ve Tolerance upto 4.9Wp
- 12 Years Limited Product Warranty
- 25 Years of Linear Power Guarantee
- High Performance Modules with efficiency up to 15.71%
- All the modules are PID resistant.
- F.S.I (Flame Spread Index) tested modules first in India
- 100% EL Tested



- The panels are constructed with Anti Reflective Coating (ARC) toughened low iron, textured high light transmission glass
- Multi layer tedlar and Fast Cure EVA
- Reinforced anodized Aluminium Frame
- Pre-drilled frame for easy mounting
- IP65 & IP67 rated Junction connector
- Solar MC4 compatible connector

APPLICATION



- On-grid system
- BIPV
- Solar Farms
- Standalone (off-grid) Systems

CONSTRUCTIONAL CHARACTERISTICS



- Frame
- Glass
- EVA
- Cells
- Back Sheet

CERTIFICATION



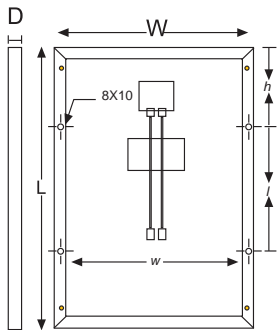
- IEC 61215 & 61730
- IEC 61701 (Salt Mist Test)
- MNRE (India) Certified
- ISO 9001-2008
- ISO 14001-2004



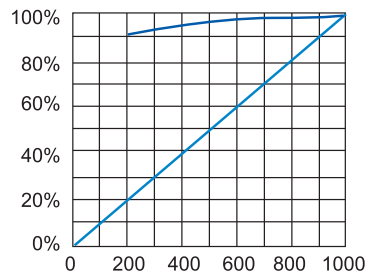
# SS160P

## 150Wp-160Wp

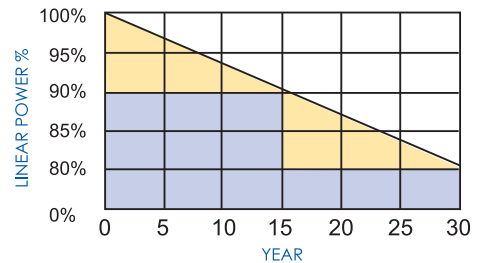
SPECIFICATIONS	SS150P*	SS155P	SS160P
	Cell Multi crystalline Solar Cell		
Electrical Characteristics			
Open Circuit Voltage (Voc)	22.23 V	22.36 V	22.51 V
Optimum Operating Voltage (Vmp)	18.11 V	18.20 V	18.30 V
Short Circuit Current (Isc)	8.74 A	8.92 A	9.11 A
Optimum operating Current (Imp)	8.31 A	8.52 A	8.76 V
Power at STC (Pmax)	150 W	155 W	160 W
Module Efficiency (n) %	15.21%	15.71%	16.22%
Operating Conditions	-40°C to +85°C at 85% RH		
Temperature Co-efficient for Voc/°C (B)		-0.34%	
Temperature Co-efficient for Isc/°C (a)		0.05%	
Temperature Co-efficient for power/°C (y)		-0.43%	
NOCT		45°C ± 2°C	
Mechanical Characteristics			
Weight		11.3 Kg	
Module Dimension (L) X (W) X (D)		1481X666X35.3mm	
Mounting Hole (Oblong)		8X10 mm	
Mounting Hole CTC distance - vertical		800 mm	
Mounting Hole from corner (h)		340.5 mm	
Mounting Hole CTC distance - horizontal		630 mm	



Light-Level Performance for Isc and VOC



Linear Power Guarantee on Sovasolar PV Modules  
97% upto 1 year then @ 0.7%/year



\* SUBJECT TO AVAILABILITY OF CELLS

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