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Solar Panel Guide Specification Data Sheet

Sova Power Limited

SS320P-72

SS300P

Also available on the web at
EnergyPal.com/sova-power-limited-solar-panels/ss300p



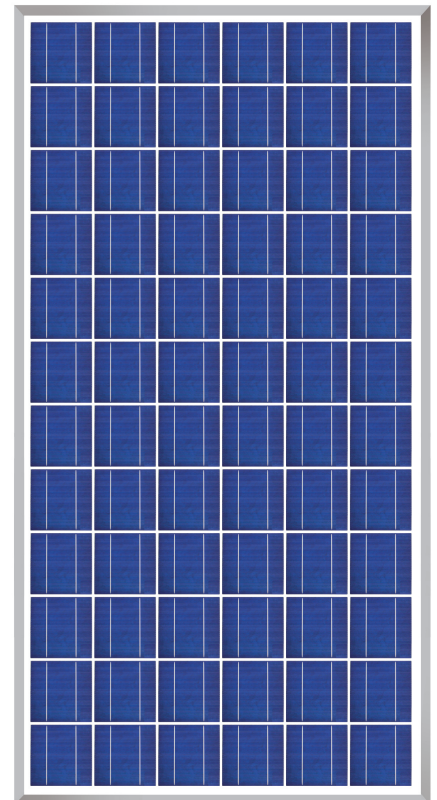
ENERGISING THE FUTURE...

SS320P

300Wp-320Wp



- 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 16.67%
- 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

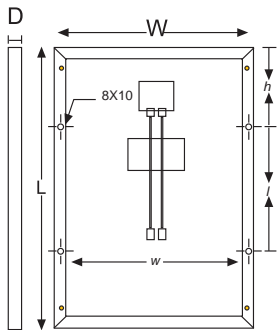


- IEC 61215 & 61730
- IEC 61701 (Salt Mist Test)
- IEC 62804 (PID)
- MNRE (India) Certified
- ISO 9001-2008
- ISO 14001-2004

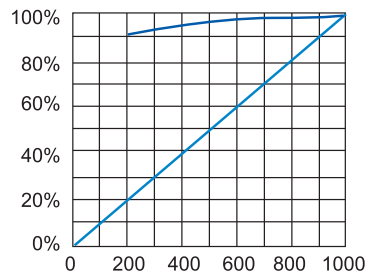


SS320P | 300Wp-320Wp

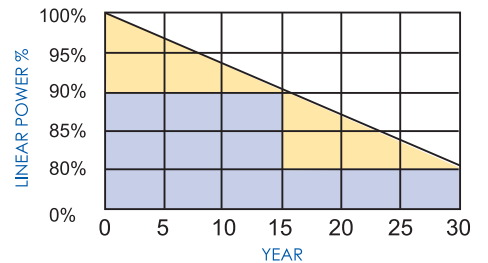
SPECIFICATIONS	SS300P*	SS305P	SS310P	SS315P	SS320P
	Cell Multi crystalline Solar Cell				
Electrical Characteristics					
Open Circuit Voltage (Voc)	44.46 V	44.60 V	44.71 V	44.86 V	45.01 V
Optimum Operating Voltage (Vmp)	36.14 V	36.30 V	36.40 V	36.49 V	36.56 V
Short Circuit Current (Isc)	8.74 A	8.82 A	8.92 A	9.01 A	9.11 A
Optimum operating Current (Imp)	8.31 A	8.41 A	8.52 A	8.64 A	8.76 A
Power at STC (Pmax)	300 W	305 W	310 W	315 W	320 W
Module Efficiency (η) %	15.63%	15.89%	16.15%	16.41%	16.67%
Operating Conditions	-40°C to +85°C at 85% RH				
Temperature Co-efficient for Voc/°C (β)	-0.34%				
Temperature Co-efficient for Isc/°C (α)	0.05%				
Temperature Co-efficient for power/°C (γ)	-0.43%				
NOCT	45°C ± 2°C				
Mechanical Characteristics					
Weight	22.1Kg				
Module Dimension (L) X (W) X (D)	1955X982X42mm				
Mounting Hole (Oblong)	8X10 mm				
Mounting Hole CTC distance - vertical	978 mm				
Mounting Hole from corner (h)	488.5 mm				
Mounting Hole CTC distance - horizontal	944 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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