

Poly-Crystalline **SOLAR PANEL**



Benefits:

- Highly reliable
- 2. Powerful, strong & elegant
- 3. Excellent low light performance
- 4. Maximum efficiency with improved power
- 5. High maximum voltage reduce BOS cost.
- 6. Certifications Complied: IEC 61215, IEC 61730

www.intelenergi.com

MADE IN INDIA

Models: 10Wp | 20Wp | 50Wp | 80Wp | 100Wp | 150Wp | 200Wp | 260Wp | 275Wp | 300Wp | 310Wp | 320Wp | 330Wp

Introduction of Company

Idea is to improve the quality of Life!

From a modest start in early 2000 we invested lot of time, effort and money solving the customer's problem in the areas of electricity. Today we can't imagine life without electricity. We always strive to offer a solution to our customers which can bring brightness and smiles in their life.

After successfully developing market, customer awareness and establishing a few brands in more than 50 countries and having focus on green energy, We have been engaged in the areas of Energy storage, Renewable energy, Storage products and Electrical Solution.

The backbone of the company are-

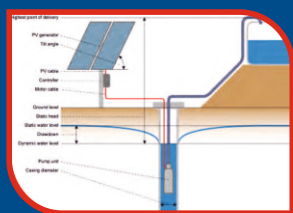
- Most experienced professional in the field of Energy Storage.
- Research and Development Facility to development New technology in the field of Energy Storage.
- Having State of the art Manufacturing Set up in Manesar, Haryana, India
- An ISO 9001:2015 Certified Company and IEC62040:-1:2017 & CE Complied Products.
- Successfully exporting all our products to more than 30 countries.

Durasol offers highly reliable & highly efficient Solar PV modules based on crystalline Silicon technology ranging from 10Wp to 330Wp in power output for use in a wide range of On-grid & Off-grid solar power plants, solar water pumps, solar street lighting & other solar systems. The modules are manufactured using automated production line. Durasol Modules are sealed, weatherproof and highly durable with the ability to withstand high levels of ultraviolet, radiations and moisture.

Key Features:

- Superior Module Efficiency In Line With International Standards
- Extremely Reliable Product Suiting Harsh Environment Conditions Withstanding 2400pa Wind Load, 5400pa Snow Load.
- Positive Power Tolerance 0 / + 5W
- Pid Resistant Modules
- Glass With Anti Reflective Coating (improves Light Transmission)
- Salt Mist, Ammonia And Hail Resistance.
- System Voltage: 1500vdc To Reduce The Bos Cost.
- Extremely Narrow Power Binning Tolerance Of +2.5 Wp To Reduce Current Mismatch Loss In Single String.
- Higher Output Of Module Power By Reducing Cell To Module Power Loss
- Designed For Very High Area Efficiency Ideally Suited For Roof-top And Ground-mounted Applications.
- Engineered To Provide Excellent Low Light Response

Application Area:



Water Pumping



Petrol Pump



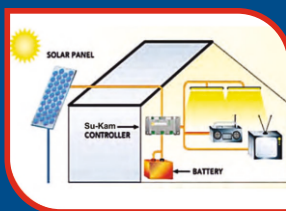
Railway Signal & Lighting Systems



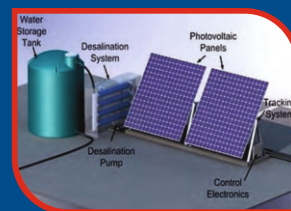
Offshore Platforms



Offshore Platforms



Domestic Lighting Systems



Desalination Plants



Rural Radio Phones & Exchanges

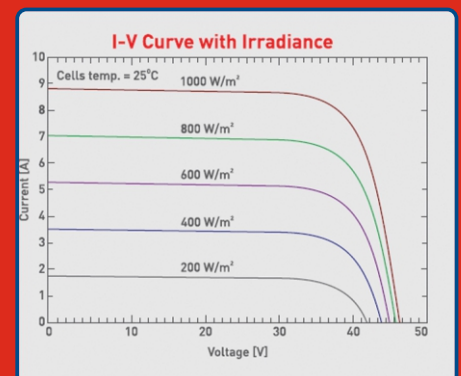
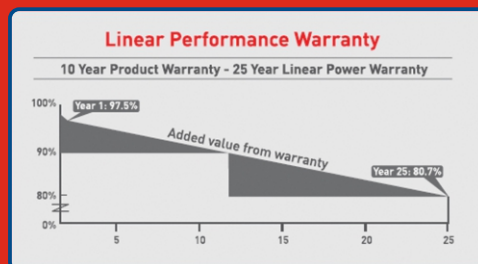
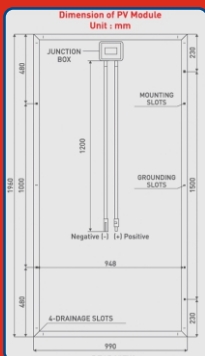


Cathodic Protection Systems

Technical Specifications Solar Panel

Model	AS-10Wp	AS-20Wp	AS-50Wp	AS-80Wp	AS-100Wp	AS-150Wp	AS-200Wp	AS-260Wp	AS-275Wp	AS-300Wp	AS-310Wp	AS320Wp	AS330Wp
Electrical Data - Standard Test Conditions													
Nominal maximum power (P _{max})	10W	20W	50W	80W	100W	150W	200W	260W	275W	300W	310	320	330
Optimum operating Voltage (V _{mp})	17.6V	17.6V	16.2V	18.0V	18.0V	18.02V	23.5V	31	31.12	36.0V	37	37.1	37.25
Optimum Operating Current (I _{mp})	0.57A	1.14A	3.09A	4.44A	5.55A	8.33A	8.51A	8.39	8.7	8.33A	8.38	8.63	8.86
Open Circuit Voltage (V _{oc})	21.6V	21.6V	20.2V	23.3V	21.5V	21.5V	28.05V	37.4	37.8	43.2V	45.5	45.8	45.94
Short Circuit Current (I _{sc})	0.62A	1.25A	3.36A	5.01A	6.38.A	9.9A	10.23A	9.27	9.6	9.58A	8.85	9.1	9.41
Operating Temperature	-40°C~+85°C												
Maximum System Voltage	1000V (IEC)/600V (UL)									1000V (IEC)/1000V (UL)			
Maximum Series Fuse Rating	10A							15A					
Power Tolerance	±5W												
Mechanical Data													
Cell Type	Polycrystalline												
Cell Arrangement	36 (4x9)	36 (4x9)	36 (3x12)	36 (3x12)	36 (3x12)	36 (4x9)	48 (6x8)	60 (6x10)	72 (6x12)				
Dimensions	280x335x25	350x475x25	665x555x25	666x796x35	666x1006x35	666x1483x35	982x1382x35	1640x990x35	1960x990x35				
Weights	1.4 (kg)	2.1 (kg)	4.7 (kg)	7.0 (kg)	9.0 (kg)	12.2 (kg)	18.0 (kg)	22.0 (kg)	22.5Kg				
Front Cover	Tempered glass												
Back Sheet	Composite Film												
Cell Encapsulation	EVA- Ethylene Vinyl Acetate												
Frame	Anodized aluminum alloy												

STC: Irradiance 1 000W/m², Module Temperature 25°C, Spectrum AM 1.5





OUR COMPLETE RANGE OF POWER SOLUTIONS



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