



INNOLIA ENERGY

INTEGRATED SOLAR, LITHIUM-BATTERY & EV COMPANY

NOVA SERIES

340WP-400WP



Innolia NOVA Solar Series

Solar Energy Today's Resource For A Brighter Tomorrow



US:
405 Boulder Court
Pleasanton, CA 94566
(925) 398-8466, (925) 954-4770
team@innoliaenergy.com



India:
16-11-741/c/3 Moosarambagh
Dilsukhnagar, Hyderabad 500060
040-40274296, +91-7799992037
+91-9010752755, info@innoliaenergy.com



Factory:
284-2-88/1 Lingotam
Kuntlagudem, Telangana 508252
+91-9182543576, +91-9825969807
+91-9866586771, sales@innoliaenergy.com



Superior module efficiency as per international benchmarks



1500 VDC system voltage for lower BoS cost



Glass with anti reflective coating improves light transmission



Salt mist, blowing sand and hail resistant



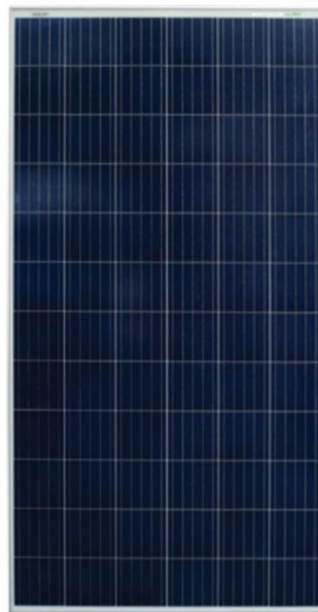
PID resistant with long term reliability



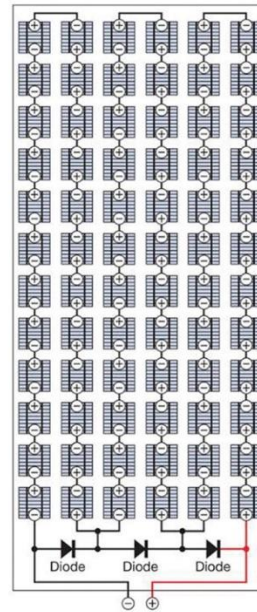
Sustain heavy wind & snow loads (2400 pa & 5400 pa)



Modules binned by current to improve system performance



Front View of Different Sizes 72 Cells Module Series



Main Terminals

- High Performance Solar PV Modules.
- Highest Module Efficiency as Per International Benchmark.
- Positive Power Tolerance 0 to 5W Of Each Module.
- Modules Binned by Current for Increasing System Performance.
- PID Resistant Modules for Long Reliability.
- Heavy Wind, Snow Loads Mist, Ammonia Resistant Modules.



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Salient Features:



High Conversion Efficiency.



Outstanding Low Light and Longer Wavelength Performance.



Only Positive Power Output Tolerance.



Resistant to PID, Salt - Mist & Ammonia Corrosion.

Designed with new generation PERC Technology.

Higher cell Efficiency than conventional Polycrystalline & Monocrystalline PV modules.

More power output per sq. meter area.

Lower temperature Co-efficient.

Quality & Safety:



100% EL Inspected to Ensure Micro Crack Free Modules.



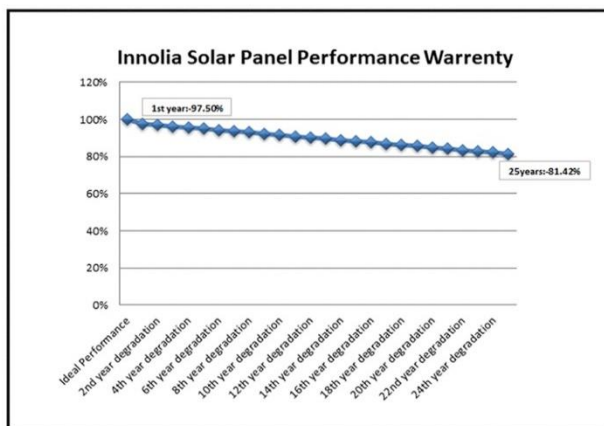
Certified to Withstand Harsh Environmental Conditions.



25 Yrs of Linear Output Power.



PID Resistant Cells & Encapsulants.



Innolia Solar Product Warranty** is 10 Years and Linear Performance Warranty** for 25 Years With 2.5% 1st year Degradation and 0.67% Degradation From 2nd Year to 25th Year.

Applications



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TECHNICAL DATA FOR NOVA SERIES

Electrical data(STC) for Nova series(340W-400W)						
Model	Pmax(W)	Vpm(V)	Imp(A)	Isc(A)	Voc(V)	Module Efficiency%
IE340	340	38.1	8.92	9.35	46.4	17.50%
IE345	345	38.37	8.99	9.42	46.8	17.75%
IE350	350	38.5	9.09	9.57	47.3	18.01%
IE355	355	38.7	9.17	9.65	47.45	18.27%
IE360	360	38.9	9.25	9.7	47.65	18.52%
IE365	365	39.1	9.34	9.75	47.85	18.78%
IE370	370	39.3	9.41	9.82	48.05	19.04%
IE375	375	39.5	9.49	9.9	48.2	19.30%
IE380	380	39.75	9.56	9.95	48.42	19.55%
IE385	385	39.9	9.65	10.1	48.63	19.81%
IE390	390	40.1	9.73	10.12	48.81	20.07%
IE395	395	40.32	9.80	10.2	49.02	20.33%
IE400	400	40.56	9.86	10.3	49.15	20.58%

Temperature Coefficients and Operating Conditions	
Temperature Coefficient of current/°C	0.005
Temperature Coefficient of Voltage/°C	-0.28
Temperature Coefficient of Power/°C	-0.38
NOCT	45°C ± 2°C
Operating Temperature range	From - 40°C to + 85°C
Mechanical data	
Length*Width*Thickness(L*W*T)	1961mm(L)*991mm(W)*36mm(T)
Weight	22 Kgs
Cell	72 Mono/Mono Perc,5BB solar Cells
Junction Box(Protection degree/Material)	IP68/Waterproof PPO
Connector(Protection degree/Type)	IP68 rated/MC4 Compatible
Cable Cross-Section & Length	4mm ² & 1000/1200mm



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