



Innolia SIRIUS 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
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Factory:
284-2-88/1 Lingotam
Kuntlagudem, Telangana 508252
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+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



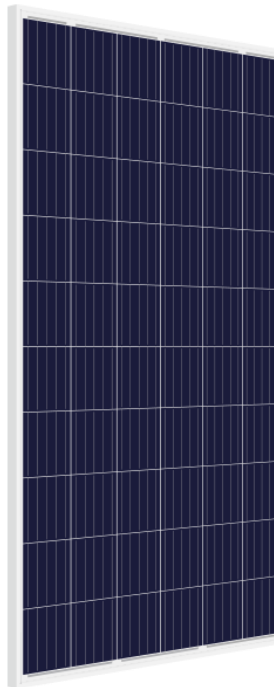
PID resistant with long term reliability



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



Modules binned by current to improve system performance



- 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.



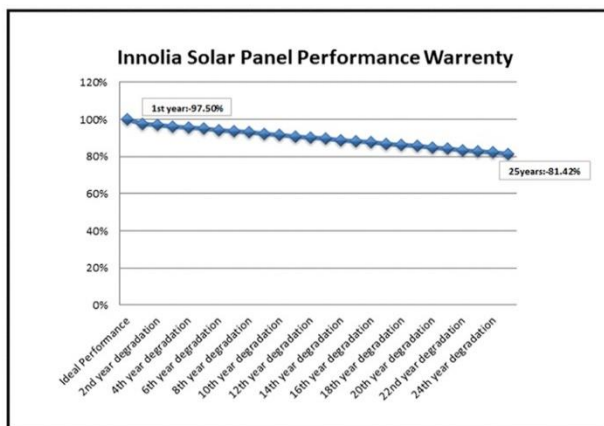
Certified to Withstand Harsh Environmental Conditions.



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 SIRIUS SERIES

Electrical data(STC) for Sirius series(380W-400W)						
Model	Pmax(W)	Vpm(V)	Imp(A)	Isc(A)	Voc(V)	Module Efficiency%
IE380	380	40.65	9.35	9.85	48.6	19.55%
IE385	385	40.89	9.42	9.95	48.7	19.81%
IE390	390	41.1	9.49	10.05	48.8	20.07%
IE395	395	41.2	9.59	10.15	48.9	20.33%
IE400	400	41.3	9.69	10.25	49.1	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)	1986mm(L)*991mm(W)*36mm(T)
Weight	22 Kgs
Cell	144 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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TECHNICAL DATA FOR SIRIUS PRO SERIES

Electrical data(STC) for Sirius Prime series(405W-425W)						
Model	Pmax(W)	Vpm(V)	Imp(A)	Isc(A)	Voc(V)	Module Efficiency%
IE405	405	42.38	9.56	9.94	51.6	20.84%
IE410	410	42.41	9.67	9.96	52.1	21.10%
IE415	415	42.62	9.74	9.98	52.6	21.35%
IE420	420	42.74	9.83	9.99	52.7	21.61%
IE425	425	42.78	9.93	10.1	52.8	21.87%

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)	2065mm(L)*1001mm(W)*40mm(T)
Weight	22.8 Kgs
Cell	150 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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