



PROXYS[®] SOLAR As Per MNRE

An ISO 9001:2015 Company



Mfg By: Prakash Gold Industries, Noida U.P.

» PRAKASH GOLD INDUSTRIES

Proxys Solar, a brand of Prakash Gold Industries, is one of India's leading manufacturers of Solar Water Pumps and Controllers, based in Noida, Uttar Pradesh. With a modern manufacturing facility and in-house Research & Development setup, Proxys Solar is committed to delivering high-quality, energy-efficient, and durable water pumping solutions designed for India's diverse agricultural and rural needs. Our state-of-the-art plant is equipped with precision machining tools, toolroom facilities, and advanced testing infrastructure, ensuring all our products meet BIS standards and comply with ISO 9001 quality certifications.

OUR PRODUCT RANGE



Solar BLDC / PMSM Submersible Pumps (V3, V4, V6 Series)



Surface Solar Pumps



AC/DC Hybrid Solar Controllers



Openwell Solar Pumps

We are an approved OEM supplier to multiple government departments and projects under PM-KUSUM (Component-B), DWSD Jharkhand, RWSS Odisha, UP Jal Nigam, and Agriculture Departments of Odisha and West Bengal. Our distribution network spans across India, supported by a strong service infrastructure.

INNOVATION & TECHNOLOGY

At the heart of our solar pumps lies our indigenously developed Permanent Magnet Synchronous Motor (PMSM) technology, specially engineered for solar applications.

These advanced motors ensure:

- High efficiency and extended life
- Low-voltage performance and early start/late stop operation
- Superior water discharge, even under low solar radiation
- Minimal maintenance and reduced downtime
- Smart Controller Drives

» PRAKASH GOLD INDUSTRIES

Our smart hybrid controller drives are designed to optimize system performance.

These controllers enable operation through solar power, grid supply or backup while providing full protection from overload, dry-run, and voltage fluctuations. Equipped with GPS-based Remote Monitoring Systems (RMS), they allow users and service teams to monitor pump performance and support systems remotely, from anywhere in India.



AC/DC/Hybrid Solar Controllers

Our intelligent Maximum Power Point Tracker (MPPT) Controller is designed to optimize solar energy utilization from photovoltaic panels, ensuring maximum water discharge and superior efficiency throughout the day.

Key Features:

- **MPPT Technology:** Maximizes power extraction from solar panels for optimal pump performance.
- **Wide MPPT Voltage Range:** Enables early start and late stop operation, ensuring extended working hours even under low sunlight conditions.
- **Rugged Enclosure:** IP65 / IP54-rated powder-coated sheet metal cabinet ensures durability and protection against dust, moisture, and environmental exposure.
- **Comprehensive Protections:** In-built safeguards against dry run, open circuit, short circuit, reverse polarity, and input surge conditions.
- **Hybrid Operation:** Compatible with both DC and AC inputs; equipped with circuit breakers and surge protection devices for enhanced safety.
- **Automation Support:** Includes float switch connectivity for automatic tank level detection and control.
- **Remote Monitoring System (RMS):** Integrated IoT-enabled interface for real-time performance tracking, fault alerts, and remote diagnostics.



QUALITY ASSURANCE & TESTING

Every product undergoes rigorous testing at our in-house solar radiation simulation facility, replicating real-world conditions of different regions and climates.

This ensures consistent quality, adaptability, and performance across varying sunlight intensities and terrains.

At Proxys Solar, our vision is to make sustainable, efficient, and affordable solar pumping technology accessible to every farmer and community, driving India toward a greener future.

We are committed to powering the nation's growth — one solar pump at a time.

APPLICATION OF SOLAR PUMPS



Agriculture and
forestry irrigation



Apartment, Hotel
& Hospital



Desert water supply



Scientific spot fountains



Village & Town Supply

PUMP-SET DETAILS

MODEL NO.	HP	VOLTAGE	POWER (WATT)	HEAD(M)	SHUT OFF HEAD(M)	DISCHARGE (LPD)	MOTOR SIZE	PUMP SIZE	DELIVERY SIZE	TECH.
PGSA45	1	70	900	30	45	20000	V4	V4	1.25"	OF/WF
PGSA90	1	72	900	60	90	10000	V4	V4	1.25"	OF/W
PGSA120	1	72	900	90	120	5000	V4	V4	1.25"	OF/W
PGTA45	1	72	1200	30	45	45600	V4	V4	2.0"	OF/W
PG0230	2	110	1800	30	45	68400	V4	V4	2.0"	OF/W
PG330DC	3	170	3000	30	45	114000	V4	V6	2.5"	OF/W
PG350DC	3	170	3000	50	70	69000	V4	V6	2.0"	OF/W
PG0370DC	3	170	3000	70	100	45000	V4	V6	2.0"	OF/W
PG0550DC	5	270	4800	50	70	110400	V4	V6	2.5"	WF
PG0570DC	5	270	4800	70	100	72000	V4	V6	2.0"	WF
PG05100DC	5	270	4800	100	150	50400	V4	V6	2.0"	WF
PG750DC	7.5	380	6800	70	100	155250	V4	V6	2.5"	WF
PG75100DC	7.5	380	9000	50	70	207000	V4	V6	3"	WF
PGV6E10	10.0	460	9000	50	70	207000	V4	V6	3"	WF



PUMP-SET DETAILS

SOLAR BLDC/PMSM SURFACE MONOBLOCK PUMPS

Kw/Hp	0.37 to 3.7/ 0.5 to 5	Motors Type	PMSM
Duty Point Head	8 to 30m	Wire Type	Insulation Class F
Duty Point Discharge	250 to 1400 LPM	Body	Aluminium
Head Range	6 to 38m	Impeller	SS304
Delivery Size	1.5" to 4.0"	Chamber	FG 200
Motor Voltage	110 to 380	Pump Shaft	S.S. 410
Phase	3	Bearing	Carbon Steeling
Current	8.5 A Max	Stamping	CRNO
Frequency	110Hz	Seal Type	Mechanical
Overall Eff.	48 to 55%		
Type Of Duty	51		
Rated Speed	3300 RPM		

SOLAR PMSM SURFACE MONOBLOCK PUMPS

MODEL NO.	HP	VOLTAGE	POWER (WATT)	HEAD	SHUT OFF	DISCHARGE	SUCTION	DELIVERY
PGM3050	0.50	48	600	20	25	18000	1.0	1.0
PGM311	1	72	900	25	30	25000	1.0	1.0
PG0110DC	1	72	900	10	12	99000	2.0	2.0
PG01210DC	2	110	1800	10	17	198000	2.5	2.0
PG01310DC	3	170	2700	10	17	297000	3.0	3.0
PG01320DC	3	170	2700	20	25	148500	2.5	2.0
PG0510DC	5	270	4800	10	17	528000	4.0	4.0
PG0520DC	5	270	4800	20	30	264000	3.0	2.5
PG0720DC	7.5	380	6750	20	30	371250	4.0	4.0
PG0120DC	10	460	9000	20	30	495000	4.0	4.0



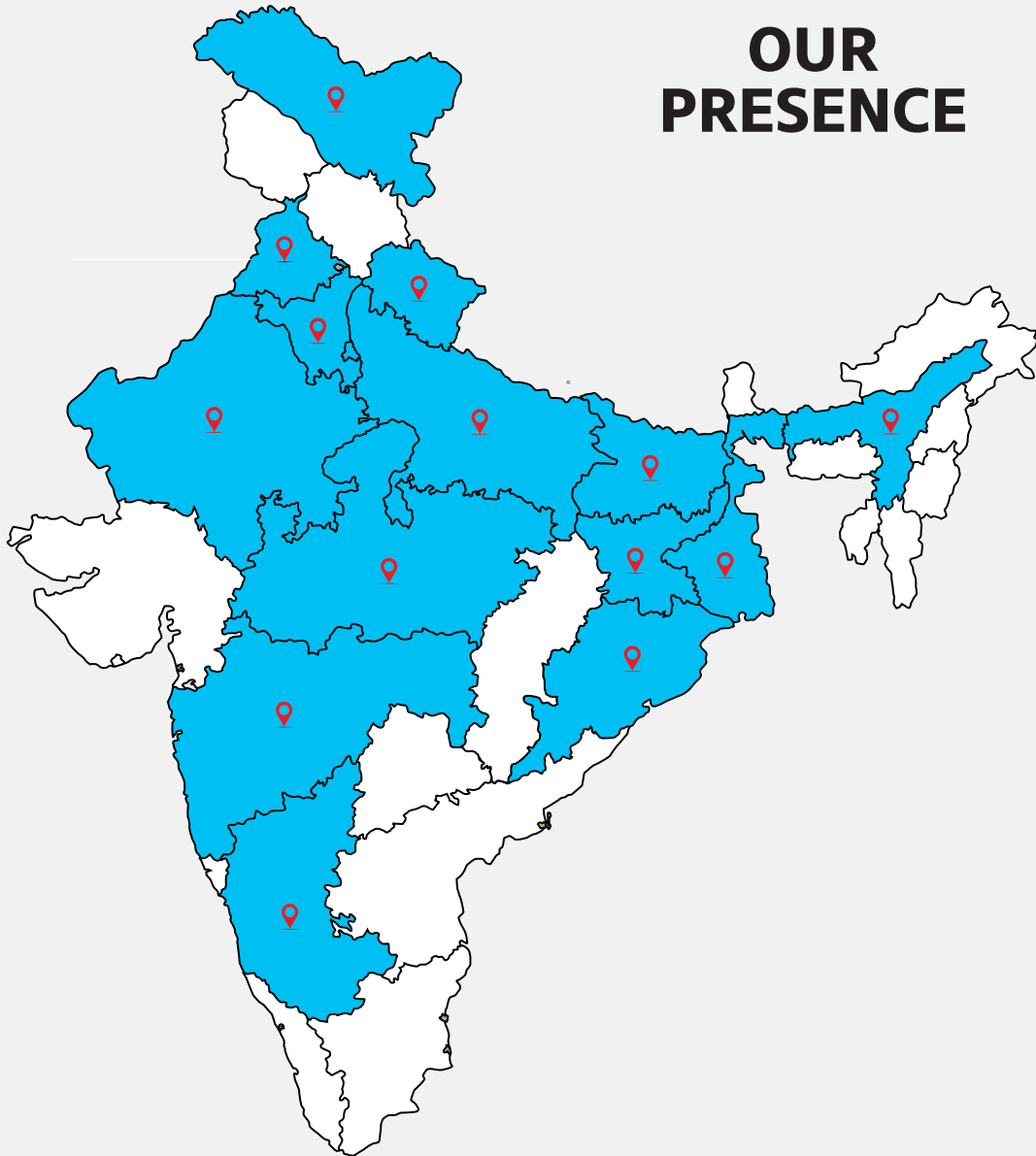
►►► PUMP-SET DETAILS

Kwh/Hp	0.7 to 3.7/ 1 to 5	Motor Type	AC
Duty Point Head	8 to 30 m	Wire Type	Insulation Class F
Duty Point Discharge	250 to 1400 LPM	Body	FG 200
Head Range	6 To 38 m	Impeller	FG200
Delivery Size	1.5" to 4.0"	Chamber	FG 200
Moter voltage	110 to 380	Pump Shaft	S.S. 410
Phase	3	Bearing	Ball Bearing
Current	8.5 A Max	stamping	CRNO
Frequency	50 Hz	Seal Type	Mechanical Seal
Overall Eff.	48 to 55%		
Type Of Duty	51		
Connection	Star & Delta		
Rated Speed	2850rpm		

SOLAR AC SURFACE MONOBLOCK PUMPS

MODEL NO.	HP	VOLTAGE	POWER (WATT)	HEAD (M)	SHUT OFF HEAD	DISCHARGE (LPD)	SUCTION	DELIVERY
PG0210AC-MB	2	110	1800	10	17	1,79,000	2.5"	2.5"
PG0310AC-MB	3	170	2700	10	17	2,68,500	3.0"	3.0"
PG0320AC-MB	3	170	2700	20	25	1,33,500	2.5"	2.5"
PG0510AC-MB	5	270	4800	10	17	4,76,200	4.0"	4.0"
PG0520AC-MB	5	270	4800	20	30	2,37,500	3.0"	3.0"

OUR PRESENCE



Vocal For Local

IS : 8034



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