

PRODUCT BROCHURE





ABOUT US

Statcon Powtech Pvt. Limited, a leading company specializing in power electronics. Our roots go back to 1986, and with 37 years of experience, we have established ourselves as a trusted name in the industry. We are committed to providing cutting-edge solutions that energize a sustainable world, particularly in developing countries.

Our group comprises Statcon Electronics India Limited, Statcon Powtech Private Limited, and Delhi Control Devices Private Limited. At Statcon Electronics, we serve our customers with products of both AC and DC technologies, delivering solutions for both conventional and nonconventional energy sources where efficiency, availability, and reliability are of utmost importance. At Statcon Powtech, our focus is on going green and delivering renewable energy products like Hybrid Inverters, On-Grid Inverters, and MPPT Off-Grid Inverters. These products are MNRE approved and IEC compliant. At Delhi Control Devices Private Limited, we deliver injection-molded parts for day-to-day applications and special purpose ammunition boxes for defense applications. Our products are manufactured under strict quality control and designed to work in extreme environments, developed by an in-house development team. They have worldwide acceptance from Indian and global consultants and companies like Siemens, L&T, Alstom, GE, Texmaco, Alcon Builders, NTPC, Indian Railways, and others. Together, we have served a broad range of clients, including Fortune 500 companies, large Indian government organizations, and numerous private entities. Our group's client list includes ABB, Siemens, L&T, NTPC, BHEL, JREDA, CREDA, Indian Air Force, Indian Railways, and many others.

We understand that our success hinges on our clients' success. That's why we prioritize building long-term relationships with our customers through transparency, trust, and reliability. Our team of experts is always available to provide support and guidance, ensuring that our clients get the best out of our products. We take pride in the level of customer satisfaction we achieve, and we continually strive to improve our customer service.

Our products are ISO 9001:2015 and 14001:2015 We manufacture all our products to meet international standards, ensuring that our clients receive high-quality products that meet their requirements. Our group has 110+ service centers across India, which provide prompt and reliable support to our clients.

We have exported to Asia and Africa, as well as almost every state in India, and take pride in providing high-quality products such as solar inverters, battery management systems, and electric vehicle charging stations. Our mission is to provide clean energy access to all and make a positive impact on the world. We are driven by a strong sense of purpose and a commitment to actively contributing to a sustainable future.



MAIN FEATURES

The permanent magnet synchronous motor is a cross between an Induction motor and a brushless DC motor, Like a brushless DC motor, it has a Permanent magnet rotor and windings on the stator, However, the stator structure with windings constructed to produce a sinusoidal flux in the air gap of the machine resembles that of an induction motor.

- High-efficiency permanent magnet motor requires less solar arrays.
- Motors are smaller and lighter, which gives longer service life and higher efficiency.
- Wider speed range (0-3600rpm).
- Permanent Magnet Synchronous Motor give more output @ +25% to 35%
- Can be used in AC & DC supply.
- Soft start: Motor starts with high torque and smooth acceleration.
- The Motor Structure is made up of stainless steel with imported Alloy mechanical seal which is durable in use.

CONTROLLER DEVICE

- New design Smart/ Intelligent controller Drive.
- MPPT function that is maximum solar power point tracking will adjust work speed automatically.
- Intelligent control provides dry run protection, if there is no water in sump for 1 minute, solar pump will stop working automatically. In addition, it has Intelligent overload protection when the abnormal situation appeared during the work, the pump automatically shut down.
- It offers protection from high- voltage, low- voltage, single phasing: over current and overload.
- It also offers automatic ON/OFF.

SOLAR PMSM/BLSC SUBMERSIBLE PUMP SET

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	70	900	60	90	10000	V4	V4	1.25"	OF/W
PGSA120	1	70	900	90	120	5000	V4	V4	1.25"	OF/W
PGTA45	1	110	1200	30	45	45600	V4	V4	2.0"	OF/W
PGTB45	2	160	1800	30	45	68400	V4	V4	2.0"	OF/W
PGV6C45	3	240	3000	30	45	114000	V4	V6	2.5"	OF/W
PGV4C70	3	240	3000	50	70	69000	V4	V4	2.0"	OF/W
PGV4C100	3	240	3000	70	100	45000	V4	V4	2.0"	OF/W
PGV6E70	5	360	4800	50	70	110400	V4	V6	2.5"	WF
PGV6100	5	360	4800	70	100	72000	V4	V6	2.0"	WF
PGV6E150	5	360	4800	100	150	50400	V4	V6		WF
PGV6 75	7.5		6800	70	100	155250	V4	V6	2.5"	WF
PGV6E10	10		9000	50	70	207000	V4	V6	4.0"	WF

PUMPS SET DETAILS

Kw/Hp	0.37 to 3.7/0.5 to 5	Motors wire	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	BALL BEARING
Current	8.5 A MAX	Stamping	CRNO
Frequency	110 Hz	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	0.5	48	600	20	25	18000	1	1
PGM311	1	72	900	25	30	25000	1	1
PGM3122	1	110	900	10	12	99000	2	2
PGM32252	2	160	1800	10	17	198000	2.5	2
PGM3333	3	230	2700	10	17	297000	3	3
PGM32252	3	230	2700	20	25	148500	2.5	2
PGM3544	5	380	4800	10	17	528000	4	4
PGM35325	5	380	4800	20	30	264000	3	2.5

PUMP SET DETAILS

Kw/Hp	0.7 to 3.7/1 to 5	Motors wire	AC
Duty Point Head	8 to 30m	Wire type	Insulation Class F
Duty Point Discharge	250 to 1400 LPM	Body	FG 200
Head Range	6 to 38m	Impeller	FG 200
Delivery Size	1.5" to 4.0"	Chamber	FG 200
Motor 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
Overall Eff.	48 to 55%		
Type of Duty	51		
Connection	Star & Delta		
Rated Speed	3300 RPM		

SOLAR AC SURFACE MONOBLOCK PUMPS

MODEL NO.	HP	VOLTAGE	POWER	HEAD	SHUT OFF	DISCHARGE	SUCTION	DELIVERY
DSM3122	1	110	900	10	12	89000	2.0'	2.0"
DSM32252	2	160	1800	10	17	179000	2.5'	2.0"
DSM3333	3	230	2700	10	17	268500	3.0'	3.0"
DSM33252	3	230	2700	20	25	133500	2.5"	2.0"
DSM3544	5	380	4800	10	17	476200	4.0"	4.0"
DSM35325	5	380	4800	20	30	237500	3.0"	2.5"
DSM35252	5	380	4800	30	40	168700	2.5"	2.0"



APPROX PERFORMANCE CHART OF “SOLAR PUMP NAME”

SR. NO.	MODEL	HP	SIZE	10	20	30	SHUTOFF
1	PG9MB 1/2	1	2"X2"	99000	-	-	12
2	PG18MB 2/10	2	2.5"X2.5"	198000	-	-	12
3	PG27MB 3/10	3	3"X3"	297000	-	-	12
4	PG27MB 3/20	3	2"X2"	-	148000	-	25
5	PG48MB 5/12	5	3"X3"	528000	-	-	12
6	PG45MB 5/20	5	2.5"X2.5"	-	264000	-	25
7	PG48MB 5/30	5	2"X2"	-	-	182400	45

Powering the Future with Solar



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