



## DC SOLAR PUMP SETS

PRECISION-ENGINEERED DC PUMPS FOR SOLAR SYSTEMS

HIGH EFFICIENCY · STAINLESS STEEL CONSTRUCTION · LONG SERVICE LIFE

# AC SOLAR PUMPING SYSTEM

Span Pumps has engineered a high-efficiency AC motor paired with an advanced solar controller and a real-time data monitoring system. Designed for stability, durability, and optimal power utilization, it delivers consistent water pumping performance throughout the day, even under variable sunlight conditions.



Drip Irrigation



Stand alone Pumping



Drinking Water Pumping



Dual Pump (Hand + Solar)



Irrigation

## 1 HP – 10 HP

Solar Submersible pump

## AC

Based Motor Option

## Impeller

Stainless Steel

## RMS

Option Available



**2 Year**

Solar Pump  
Warranty

**25 Year**

Solar Panel Linear  
Power Warranty

Degradation as per Industry Standard\*



\* For Specific Models

AN ISO 9001 COMPANY

# AC SOLAR PUMPING MOTOR & PUMP END

## FEATURES

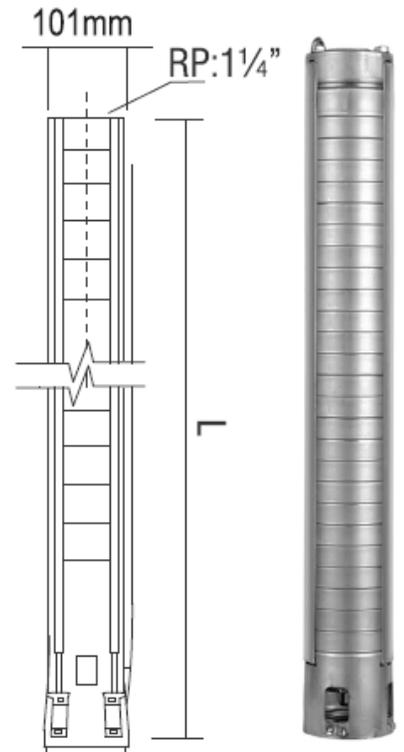
### MOTOR

- Advanced permanent magnet brushless technology, high efficiency
- Low maintenance
- High efficiency electrical design (low operation cost, cooler winding temperature)
- Complete Stainless steel
- Hermetically sealed stator, anti-track, self-healing stator resin prevents motor burn out
- No electronics inside motor
- Removable lead connector
- Double oil seals (shaft seals) for better protection against sand
- Prefilled with special non-contaminating and antirust solution
- Degree of protection: IP68
- Pressure balanced design
- Hydrodynamic journal bearings
- Hydrodynamic robust thrust bearing
- Materials of construction: Perineum stainless steel, Low loss silicon stampings, High magnetic density permanent magnets, corona resistant winding wires, rubber & cable drinking water approved

### PUMP END

- Stainless steel construction was designed and built for years of trouble-free operation.
- Long service life as all components are made of stainless steel.
- High efficiency.
- Mounting specifications are according to NEMA standards.
- High quality shaft bearings provide low friction and high wear resistance.
- Heavy-duty stainless-steel impellers & diffusers ensuring optimal performance.
- Stainless steel strainer to restrict the entry of sand and other extraneous material.
- A high strength stainless steel coupling facilitates a proper pump/ Motor alignment.
- Inbuilt NRV (Non-Return Valve)

### DIMENSIONS AND WEIGHTS



E = Maximum diameter of pump inclusive of cable guard & motor.

ISP-2/75 to ISP-2/90 are mounted in sleeve for R 1 1/4 connection and with max. diameter 108mm.

- ✓ Dry run protection
- ✓ Overloading protection
- ✓ Stages Customization Available
- ✓ Available in AC/DC Range



MAKE IN INDIA

## Submersible Pump

Pump Shaft	SS 410
Suction Bracket	Cast Iron
Pump Hardware	SS 304
Impeller	Noryl/SS
Impeller type	Radial
Stage casting	Noryl/SS
Pump jacket	SS
Pump bearing bush	Leaded Bronze

## Submersible Motor

RPM	3300
Motor shaft	SS 410
Motor Bearing Bush	LTB 5 Grade
Ball Bearing	SS 410
Lower & Upper Housing	SS
Stator Shell	SS
Winding Wire	3 Copper
Motor hardware	SS 304

## AC Solar Pumps

Sr.No	Suitable for Bore Size		Flow Range	Head Range	Model *	Motor Type	Discharge Size		Pump Power		Minimum Solar Panel Total Watt
	mm	inch	LDP	Mtrs.			mm	Inch	HP	kW	
1	100	4"	63000	30	SPAC05-1007-30-90	AC	50	2"	2	1.5	1800
2	100	4"	37800	50	SPAC09-2008-30-90	AC	40	1.5"	2	1.5	1800
3	150	6"	105000	30	SPAC17-3003-30-160	AC	50	2"	3	2.2	3000
4	100	4"	63000	50	SPAC09-3012-50-160	AC	50	2"	3	2.2	3000
5	100	4"	42000	70	SPAC09-3016-70-160	AC	50	2"	3	2.2	3000
6	150	6"	105000	30	SPAC30-5004-30-250	AC	65	2.5"	5	3.7	4800
7	150	6"	100800	50	SPAC17-5006-50-250	AC	50	2"	5	3.7	4800
8	100	4"	67200	70	SPAC09-5014-70-250	AC	50	2"	5	3.7	4800
9	100	4"	43200	100	SPAC09-5021-100-250	AC	50	2"	5	3.7	4800
10	150	6"	236250	30	SPAC46-7004-30-350	AC	75	3"	7.5	5.5	6750
11	150	6"	141750	50	SPAC17-7006-50-350	AC	65	2.5"	7.5	5.5	6750
12	150	6"	94500	70	SPAC17-7007-70-350	AC	50	2"	7.5	5.5	6750
13	150	6"	60750	100	SPAC09-7019-100-350	AC	50	2"	7.5	5.5	6750
14	150	6"	315000	30	SPAC46-1004-30-460	AC	100	4"	10	7.5	9000
15	150	6"	189000	50	SPAC30-1005-50-460	AC	65	2.5"	10	7.5	9000
16	150	6"	126000	70	SPAC17-1009-70-460	AC	50	2"	10	7.5	9000
17	150	6"	81000	100	SPAC17-1010-100-460	AC	50	2"	10	7.5	9000

# DC SOLAR PUMPING SYSTEM

Span Pumps has developed a high-efficiency Permanent Magnet Brushless DC (BLDC) motor, seamlessly integrated with an intelligent solar controller and a real-time data monitoring system. This advanced solution ensures optimal performance, maximum energy efficiency, and reliable water pumping even in low sunlight conditions.



Drip Irrigation



Stand alone Pumping



Drinking Water Pumping



Rural drinking water supply



Dual Pump (Hand + Solar)



Irrigation

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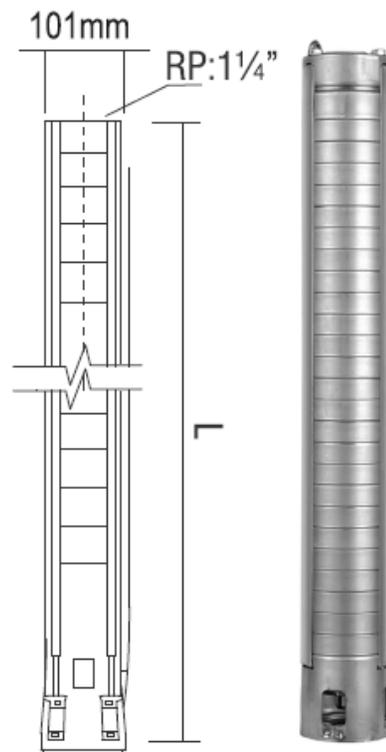
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1	100	4"	45600	30	SPDC05-0106-30-90	DC	40	1.5"	1	0.75	1200
2	100	4"	68400	30	SPDC09-0207-30-90	DC	50	2"	2	1.5	1800
3	150	6"	114000	30	SPDC17-0303-30-160	DC	50	2"	3	2.2	3000
4	100	4"	69000	50	SPDC09-0309-50-160	DC	50	2"	3	2.2	3000
5	100	4"	45000	70	SPDC09-0310-70-160	DC	50	2"	3	2.2	3000
6	150	6"	182400	30	SPDC30-0503-30-250	DC	65	2.5"	5	3.7	4800
7	100	4"	110400	50	SPDC17-0505-50-250	DC	50	2"	5	3.7	4800
8	100	4"	72000	70	SPDC09-0512-70-250	DC	50	2"	5	3.7	4800
9	100	4"	50400	100	SPDC09-0519-100-250	DC	50	2"	5	3.7	4800
10	150	6"	256500	30	SPDC46-0703-30-350	DC	75	3"	7.5	5.5	6750
11	150	6"	155250	50	SPDC17-0706-50-350	DC	65	2.5"	7.5	5.5	6750
12	150	6"	101250	70	SPDC17-0707-70-350	DC	65	2.5"	7.5	5.5	6750
13	150	6"	70875	100	SPDC09-0719-100-350	DC	50	2.5"	7.5	5.5	6750
14	150	6"	342000	30	SPDC46-1003-30-460	DC	100	4"	10	7.5	9000
15	150	6"	207000	50	SPDC30-1006-50-460	DC	65	2.5"	10	7.5	9000
16	150	6"	135000	70	SPDC17-1008-70-460	DC	65	2.5"	10	7.5	9000
17	150	6"	94500	100	SPDC17-1010-100-460	DC	50	2"	10	7.5	9000



**SPAN  
PUMPS**

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