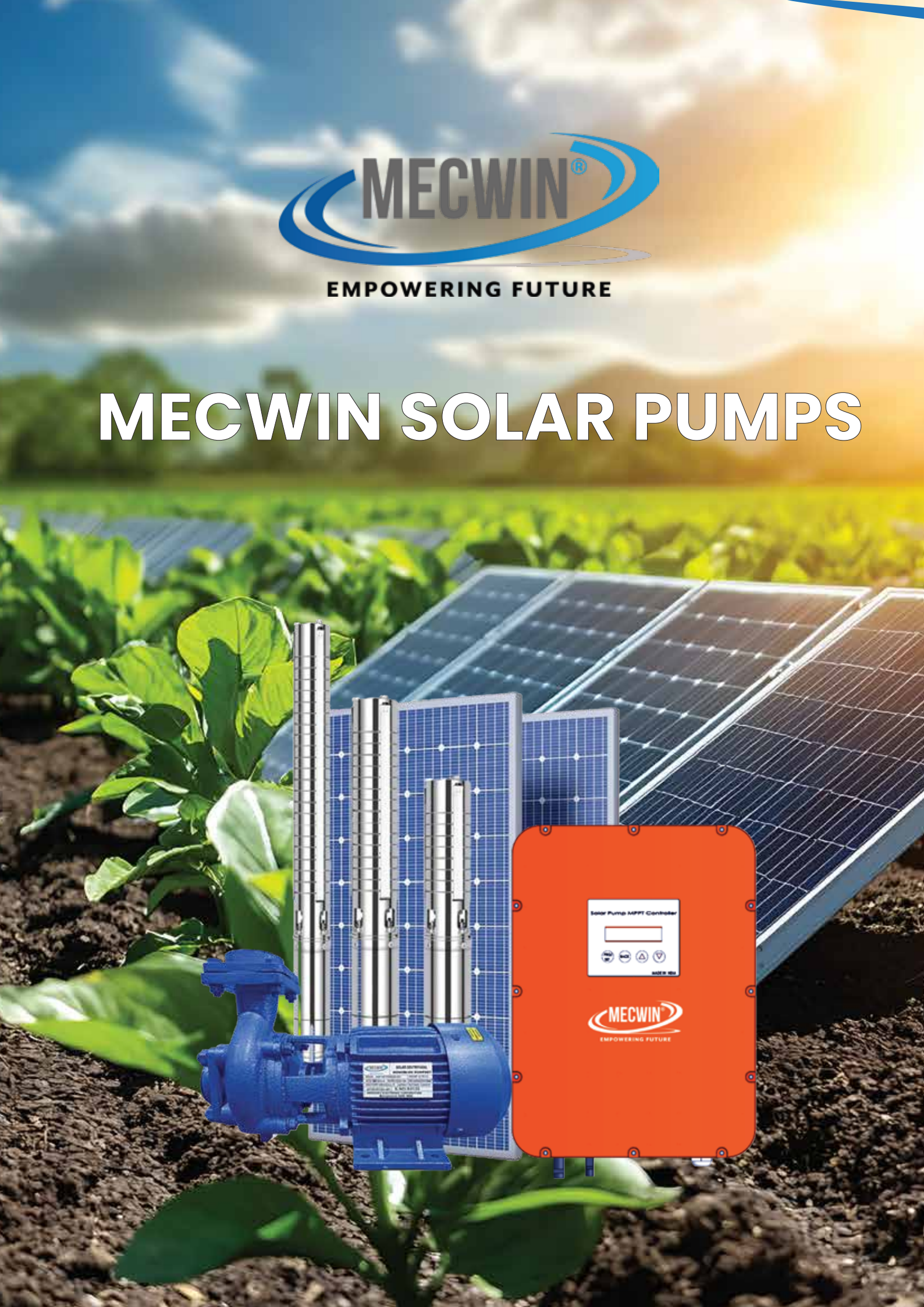




EMPOWERING FUTURE

# MECWIN SOLAR PUMPS



# COMPANY OVERVIEW

## About Us

Mecwin is a leading manufacturer of advanced solar pumps, MPPT Controllers, PMSM motors. The company is dedicated to delivering innovative and reliable solutions that enhance the performance of energy systems and industrial applications. With a focus on sustainability and technological advancement, Mecwin serves a diverse range of industries including renewable energy, automotive, agriculture, Medical and industrial processing.

## Vision

At Mecwin Technologies, we stand at the threshold of a profound mission – one that transcends mere corporate ambitions and resonates with the very essence of our existence. "[Innovating for a Greener World: Unleashing Sustainable Possibilities](#)," is not just a statement; it's a resounding call to action, a promise to the planet, and an unwavering commitment to the future.

## Mission

"At Mecwin Technologies, our mission is to lead the way in transforming our world into a greener, more sustainable place. We are dedicated to innovating and delivering solutions that not only meet the needs of today but also preserve the planet for future generations."

## Core Values

**Sustainability:** Our decisions and actions prioritize sustainability, from product development to daily operations.

**Innovation:** We foster a culture of innovation that continuously seeks novel ways to drive sustainability.

**Customer-Centricity:** We aim to exceed customer expectations by offering sustainable solutions that create value.

**Collaboration:** We believe that solving global sustainability challenges requires collaboration with partners, stakeholders, and communities.

**Integrity:** Our commitment to ethical conduct guides everything we do.



# MECWIN CONTROLLERS AND FEATURES

## Controllers Features



Easy configuration for a class of motor types



Designed to run even in low solar power



Specially designed for 1hp to 10hp, DC/AC solar motors



Higher performance with in build MPPT



Thermal overload shut down to avoid damage to the controller

## IOT Features



RMS is capable of MQTT or HTTP data uplinks implementations



GSM/GPRS based solar drive monitoring unit



Location mapping via network co-ordinates



Nano Sim Support & Sim ESD protection



IP67 ABS UV grade enclosure



Robust Modbus transceiver with ESD, EFT & Surge Immunity.



Scan For Mecwin Nethra 4G App



## SOLAR DC SUBMERSIBLE SPECIFICATIONS:

Pump model	OD of motor and pump	Power in Hp	Outlet size In mm	Pv array Capacity	Dynamic Head (Mtrs)	Shut-Off Head (Mtrs)	Discharge (LPM)	Discharge (LPD)
SDW01HP30MDC1200Wp	V4/V4	1	38	1200	30	45	95	34318
SDW01HP60MDC900Wp	V4/V4	1	32	900	60	90	31	12000
SDW01HP90MDC900Wp	V4/V4	1	32	900	90	120	16	12000
SDW02HP30MDC1800Wp	V4/V4	2	50	1800	30	45	190	72067
SDW02HP60MDC2100Wp	V4/V4	2	50	1800	60	90	86	32000
SDW02HP90MDC2100Wp	V4/V4	2	50	1800	90	120	55	20000
SDW02HP120MDC2100Wp	V4/V4	2	50	1800	120	150	30	10000
SDW02HP150MDC2100Wp	V4/V4	2	50	1800	150	200	16	6000
SDW03HP30MDC3000Wp	V4/V6	3	50	3000	30	45	315	119700
SDW03HP50MDC3000Wp	V4/V4	3	50	3000	50	70	191	72450
SDW03HP70MDC3000Wp	V4/V4	3	50	3000	70	100	124	47250
SDW03HP100MDC3180Wp	V4/V4	3	50	3000	100	100	98	35000
SDW03HP120MDC3180Wp	V4/V4	3	50	3000	120	150	70	26000
SDW03HP150MDC3180Wp	V4/V4	3	50	3000	150	200	50	20000
SDW05HP30MDC4800Wp	V4/V6	5	65	4800	30	45	504	191625
SDW05HP50MDC4800Wp	V4/V6	5	65	4800	50	70	305	115920
SDW05HP70MDC4800Wp	V4/V6	5	50	4800	70	100	199	75600
SDW05HP100MDC4800Wp	V4/V4	5	50	4800	100	150	139	52920
SDW75HP30MDC6750Wp	V4/V6	7.5	80	6750	30	45	709	269325
SDW75HP50MDC6750Wp	V4/V6	7.5	65	6750	50	70	429	163012
SDW75HP70MDC6750Wp	V4/V6	7.5	50	6750	70	100	280	106312
SDW75HP100MDC6750Wp	V4/V4	7.5	50	6750	100	150	196	74418
SDW10HP30MDC9000Wp	V4/V6	10	80	9000	30	45	945	359100
SDW10HP50MDC9000Wp	V4/V6	10	65	9000	50	70	572	217350
SDW10HP70MDC9000Wp	V4/V6	10	50	9000	70	100	373	141750
SDW10HP100MDC9000Wp	V4/V4	10	50	9000	100	150	261	99225

## SOLAR AC SUBMERSIBLE SPECIFICATIONS:

Pump model	OD of motor and pump	Power in Hp	Outlet size In mm	Input Pv array Capacit	Dynamic Head (Mtrs)	Shut-Off Head (Mtrs)	Discharge (LPM)	Discharge (LPD)
SDW02HP30MAC1800Wp	V4/V4	2	50	1800	30	45	165	63000
SDW03HP30MAC3000Wp	V4/V4	3	50	3000	30	45	276	105000
SDW03HP50MAC3000Wp	V4/V6	3	50	3000	50	70	165	63000
SDW03HP70MAC3000Wp	V4/V4	3	50	3000	70	100	110	42000
SDW05HP30MAC4800Wp	V6/V6	5	65	4800	30	45	461	175500
SDW05HP50MAC4800Wp	V6/V6	5	50	4800	50	70	265	100800
SDW05HP70MAC4800Wp	V6/V4	5	50	4800	70	100	177	67200
SDW05HP100MAC4800Wp	V6/V4	5	50	4800	100	150	114	43200
SDW7.5HP30MAC6750Wp	V6/V6	7.5	80	6750	30	45	670	255200
SDW7.5HP50MAC6750Wp	V6/V6	7.5	65	6750	50	70	373	141750
SDW7.5HP70MAC6750Wp	V6/V6	7.5	50	6750	70	100	249	94500
SDW7.5HP100MAC6750Wp	V6/V4	7.5	50	6750	100	150	160	60750
SDW10HP30MAC9000Wp	V6/V6	10	80	9000	30	45	856	325000
SDW10HP50MAC9000Wp	V6/V6	10	65	9000	50	70	477	189000
SDW10HP70MAC9000Wp	V6/V6	10	50	9000	70	100	332	126000
SDW10HP100MAC9000Wp	V6/V4	10	50	9000	100	150	213	81000



## SOLAR DC SURFACE SPECIFICATION :

Pump model	Suction and Delivery Pipe Size	Power in Hp	Outlet size In mm	Input Pv array Capacity	Dynamic Head (Mtrs)	Shut-Off Head (Mtrs)	Discharge (LPM)	Discharge (LPD)
SSWIHPDC10M900Wp	2"/2"	1	50	900	10	12	254	99000
SSW2HPDC10M1800Wp	2.5"/2"	2	65	1800	10	12	508	198000
SSW3HPDC10M2700Wp	3"/3"	3	75	2700	10	12	762	297000
SSW3HPDC20M2700Wp	2.5"/2"	3	65	2700	20	25	381	148000
SSW5HPDC10M4800Wp	4"/4"	5	65	4800	10	12	1354	528000
SSW5HPDC20M4800Wp	3"/2.5"	5	75	4800	10	25	677	264000
SSW5HPDC30M4800Wp	2.5"/2"	5	75	4800	10	45	468	182000
Note: Maximum Suction in Monoblock Pump set is 7 meter from the seal level								

## SOLAR AC SURFACE SPECIFICATION :

Pump model	Suction and Delivery Pipe Size	Power in Hp	Input Pv array Capacity	Dynamic Head (Mtrs)	Shut-Off Head (Mtrs)	Discharge (LPM)	Discharge (LPD)
SF01HPAC10M900Wp	2"/2"	1	900	10	12	228	89100
SF02HPAC10M1800Wp	2.5"/2"	2	1800	10	12	457	178200
SF03HPAC10M2700Wp	3"/3"	3	2700	10	12	685	267300
SF03HPAC20M2700Wp	2.5"/2"	3	2700	20	25	339	132300
SF05HPAC10M4800Wp	4"/4"	5	4800	10	12	1218	475200
SF05HPAC20M4800Wp	3"/2.5"	5	4800	20	25	603	235200
SF05HPAC30M4800Wp	2.5"/2"	5	4800	30	45	431	168000
Note: Maximum Suction in Monoblock Pump set is 7 meter from the seal level							



# PRODUCTION LINE

## Pump Testing Facility



## Controller Assembly Line



## Motor Assembly line



## Motor Winding



- 45,000 SQFT manufacturing facility.
- 300+ skilled workforce.
- 120,000 pump set capacity per year.
- In-house IoT team for RMS.
- PAN India presence.
- Exports PMSM motors to the USA and Europe Market.
- Motors for Automotive, and Medical applications.



## CONTACT US



Our Service & Support team are directly accessible in 26+ states in India.

MECWIN's trained service engineers can help with site survey, system sizing, installation, commissioning and on time service support.



### Mecwin Technologies India Pvt.Ltd

{ Manufacturing Plant }

65/3-1, opposite to Super Gas filling station,near  
Ravindu Toyota Car Service centre Industrial  
Suburb, Yeswanthpur, Bengaluru,  
Karnataka 560022 - India

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