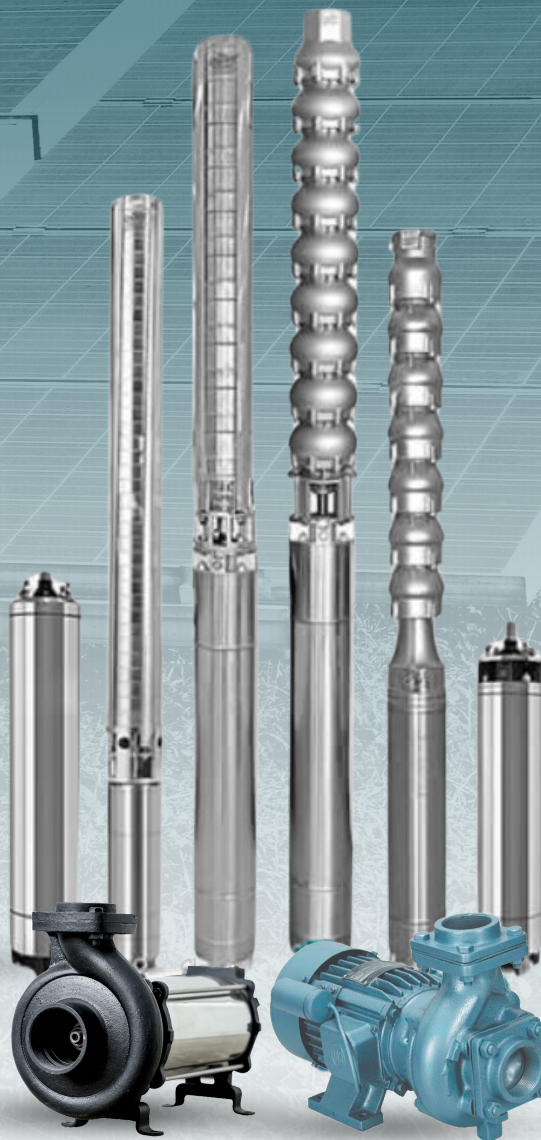
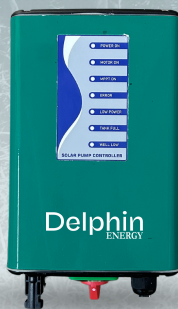


## SOLAR WATER PUMPS

LIGHTING PATHS  
PUMPING LIFE  
POWERING  
PROGRESS WITH  
SOLAR SOLUTION







It's time for

# GREEN ENERGY

**Renewable energy** - subtly guided by Delphin Energy, quietly unfolds its potential for safe and environmentally conscious development



# ABOUT US

## VISION

"At Delphin Energy, our vision is to empower communities and industries worldwide with sustainable solar solutions that harness the power of the sun to create a brighter, cleaner, and more resilient future. As a global leader in solar energy, we are committed to driving innovation and excellence to address the world's energy challenges."

## Mission

"At Delphin Energy, our mission is to revolutionize the energy landscape through cutting-edge solar solutions:

**Advancing Agriculture:** Enhance productivity and ensure water security with efficient solar water pumps, providing sustainable farming solutions.

**Powering Progress:** Dedicated to clean energy adoption through high-performance solar panels, maximizing energy output, and reducing carbon footprints.

**Illuminating Communities:** Contribute to public safety and reduced energy costs with reliable solar street light systems, creating well-lit, secure, and environmentally conscious public spaces."

## Why Us?

**Innovation Leadership:** We lead in solar innovation, investing in cutting-edge technologies for water pumps, panels, and street lights, exceeding industry standards for performance and reliability.

**Sustainability Focus:** Delphin Energy is deeply committed to sustainability, designing solar products with a lifecycle approach to minimize environmental impact.

**Customer-Centric Solutions:** With a dedicated focus on customer satisfaction, we provide personalized solar solutions, seamlessly integrating water pumps, panels, and street lights to meet unique client requirements.

**Global Impact:** Delphin Energy is a global force for positive change. By choosing our solar solutions, customers contribute to carbon reduction, promote energy independence, and participate in building a more sustainable world.



### V4 Stainless Steel

#### 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	2800
MOTOR SHAFT	SS 410
MOTOR BEARING BUSH	SS 304
THRUST BEARING	LTB 5 GRADE
LOWER & UPPER HOUSING	CAST IRON/SS
STATOR SHELL	SS
WINDING WIRE	3 O COPPER
MOTOR HARDWARE	SS 304



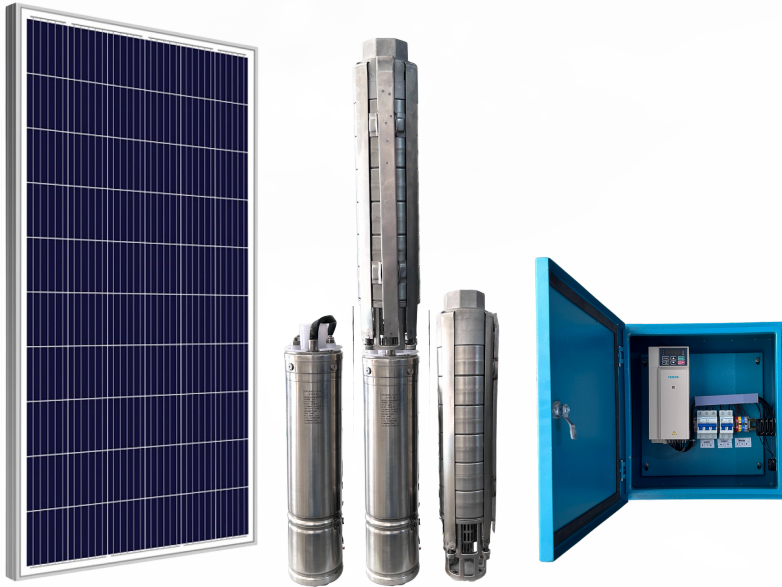
HP/KW	MODEL	V	I	Cable size (Sq.mm)	Panel Connection
0.5/0.37	DESP-4SX1	48v	8A	1x3x2.5	335W x 2 Nos 2 panels in Series
1/0.75	DESP-4S01	72v	8A	1x3x2.5	335W x 3 Nos 3 panels in Series
2/1.5	DESP-4S02	160v	9A	1x3x2.5	335W x 6 Nos 6 panels in Series
3/2.2	DESP-4S03	230v	9A	1x3x2.5	335W x 9 Nos 9 panels in Series
5/3.7	DESP-4S05	380v	9A	1x3x4	335W x 15 Nos 15 panels in Series



# 5 HP to 15 HP Solar Submersible Pump

## V6 Stainless Steel

**Delphin**  
ENERGY



### 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	2800
MOTOR SHAFT	SS 410
MOTOR BEARING BUSH	SS 304
THRUST BEARING	LTB 5 GRADE
LOWER & UPPER HOUSING	CAST IRON/SS
STATOR SHELL	SS
WINDING WIRE	3 O COPPER
MOTOR HARDWARE	SS 304

HP/KW	MODEL	V	I	Cable size (Sq.mm)	Panel Connection
5/3.7	DESP-6S05	380v	9A	1x3x4	335W x 15/16 Nos 15/16 panels in Series
7.5/5.5	DESP-6S07	300v	17A	1x3x4	335W x 24 Nos (12 panels in Series) x 2 String
10/7.5	DESP-6S10	380v	17A	1x3x4	335W x 32 Nos (16 panels in Series) x 2 String
15/11.25	DESP-6S15	380v	24A	1x3x8	335W x 48 Nos (16 panels in Series) x 3 String



### Open Well Pump



<b>Impeller</b>	CAST IRON FG200
<b>Pump Casting</b>	CAST IRON FG200
<b>Mechanical Seal</b>	RUBBER
<b>Pump Shaft</b>	SS 410
<b>Pump Hardware</b>	SS 304
<b>Motor Shell</b>	SS 304 / FG200
<b>Motor Shaft</b>	SS 410
<b>Thrust Bearing</b>	GUNMETAL
<b>Stator Shell</b>	SS 304
<b>Winding Wire</b>	COPPER
<b>Motor Hardware</b>	SS 304
<b>Thrust Plate</b>	FIBER

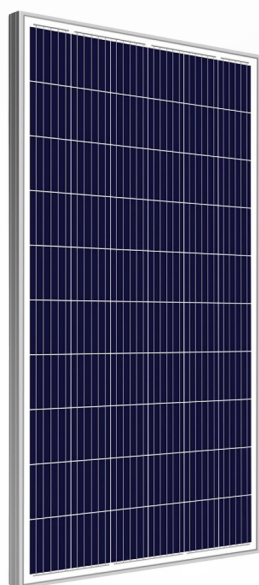
HP/KW	MODEL	V	I	Cable size (Sq.mm)	Head (m)			
					LPM			
3/2.2	DEOP-C03	230v	8A	1x3x2.5	12	18	20	25
					790	610	535	570
5/3.7	DEOP-C05	380v	9A	1x3x4	15	24	27	30
					870	665	550	410
7.5/5.5	DEOP-C07	300v	17A	1x3x6	18	23	27	33
					1075	1010	810	515
10/7.5	DEOP-C10	380v	17A	1x3x6	28	33	37	45
					920	860	760	450



# 1 HP to 10 HP Solar Monoblock Pump

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ENERGY

## Monoblock Pump



<b>Impeller</b>	CAST IRON FG200
<b>Pump Casting</b>	CAST IRON FG200
<b>Mechanical Seal</b>	RUBBER
<b>Pump Shaft</b>	SS 410
<b>Pump Hardware</b>	SS 304
<b>Motor Body</b>	CAST IRON FG200
<b>Motor Shaft</b>	SS 410
<b>Motor Bearing Type</b>	BALL BEARING
<b>Winding Wire</b>	COPPER(PP)
<b>Motor Hardware</b>	SS 304

HP/KW	MODEL	V	I	Cable size (Sq.mm)	Head (m)				
					LPM				
1/0.75	DEMP-C01	72v	8A	1x3x2.5	4 485	6 410	8 360	10 300	12 130
2/1.5	DEMP-C02	160v	9A	1x3x2.5	4 1030	6 1000	8 835	10 690	12 540
3/2.2	DEMP-C03	230v	9A	1x3x2.5	4 1035	6 1010	8 840	10 700	12 550
5/3.7	DEMP-C05	380v	9A	1x3x4	4 1850	6 1800	8 1440	10 1380	12 1010

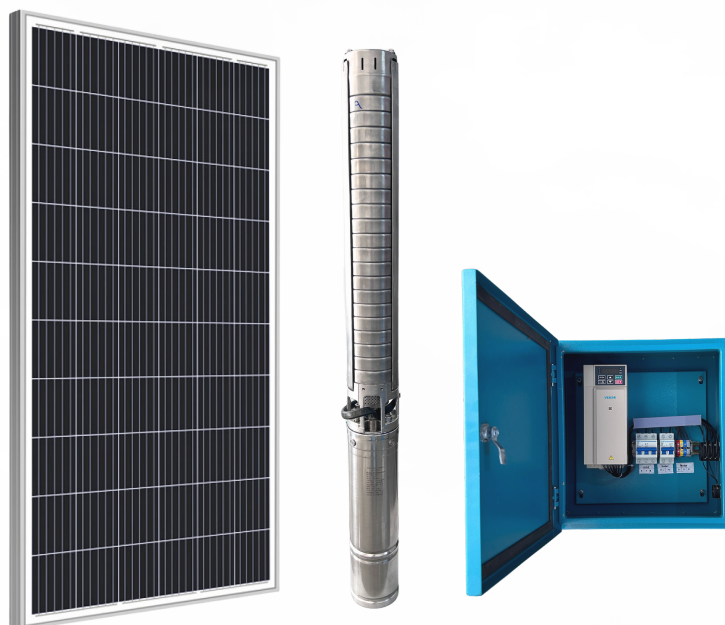
### Stainless Steel

#### 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	2800
MOTOR SHAFT	SS 410
MOTOR BEARING BUSH	LTB 5 GRADE
THRUST BEARING	SS 410
LOWER & UPPER HOUSING	CAST IRON/SS
STATOR SHELL	SS
WINDING WIRE	3 $\Phi$ COPPER
MOTOR HARDWARE	SS 304



### AS PER MONO - PANEL

HP/KW	MODEL	V	I	Cable size (Sq.mm)	Panel Connection
1/0.75	DESPM-4S01	50v	13A	1x3x2.5	545W x 2 Nos
2/1.5	DESPM-4S02	90v	13A	1x3x2.5	545W x 4 Nos
3/2.2	DESPM-4S03	160v	13A	1x3x2.5	545W x 6 Nos
5/3.7	DESPM-4S05	240v	13A	1x3x4	545W x 9 Nos
7.5/5.5	DESPM-4S07	330v	13A	1x3x4	545W x 13 Nos
10/7.5	DESPM-4S10	415v	13A	1x3x4	545W x 17 Nos



## DELPHIN ENERGY CONTROLLER

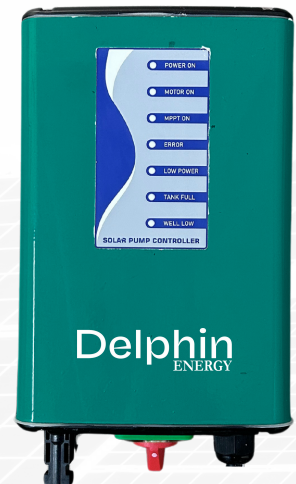
### AC CONTROLLER

- Designed for solar water pumps that require an AC power supply.
- Converts the DC power generated by solar panels into AC power to operate the pump.



### DC CONTROLLER

- Ideal for remote locations or off-grid applications where DC power is utilized.
- Enables efficient use of solar energy by eliminating the need for additional power conversion.



### POWER SHARING CONTROLLER

#### BLENDING CONTROLLER

- Power sharing capability (Blending) between Solar DC Power and AC Power.
- Smart Control prioritizes Solar DC Power and supplements the remaining power from the AC Grid.
- Specially designed for Solar Water Pumps.





## GALLERY





## DISCHARGE REPORT

HP/KW	V	HEAD (M)	LPM	LPD	Delivery Size
1/0.75	72V	3	73	262800	1.25"
		30	50	18000	1.25"
		40	41	14760	1.25"
		50	31	11160	1.25"
		60	18	6480	1.25"
2/1.5	160V	32	130	46800	2"
		48	85	30600	1.5"
		72	55	19800	1.25"
		80	50	18000	1.25"
		100	30	10800	1.25"
3/2.2	230V	27	225	81000	2"
		48	125	45000	2"
		72	98	34200	1.5"
		80	90	32400	1.5"
		100	65	23400	1.25"
5/3.7	380V	30	415	149400	3"
		50	210	75600	2.5"
		70	140	50400	2"
		95	105	37800	2"
		110	85	30600	2"
		120	45	16200	2"
7.5/5.5	300V	30	490	176400	3'
		40	330	118800	2.5'
		60	200	72000	2"
		110	135	48600	2"
		150	95	34200	2"
10/7.5	380V	50	405	145800	3'
		85	330	104400	2.5'
		90	200	95400	2"
		120	135	73800	2"
		140	95	56880	2"
15/11	380V	50	900	324000	3"
		80	450	162000	3"
		110	320	115200	3"
		180	200	72000	2"
		220	160	57600	2"
		280	130	46800	2"
		340	100	36000	2"






## CONTACT US

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