

SOLAR WATER PUMPS

LIGHTING PATHS
PUMPING LIFE
POWERING
PROGRESS WITH
SOLAR SOLUTION

CONTACT US

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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.

1 HP to 5 HP
Solar Submersible Pump

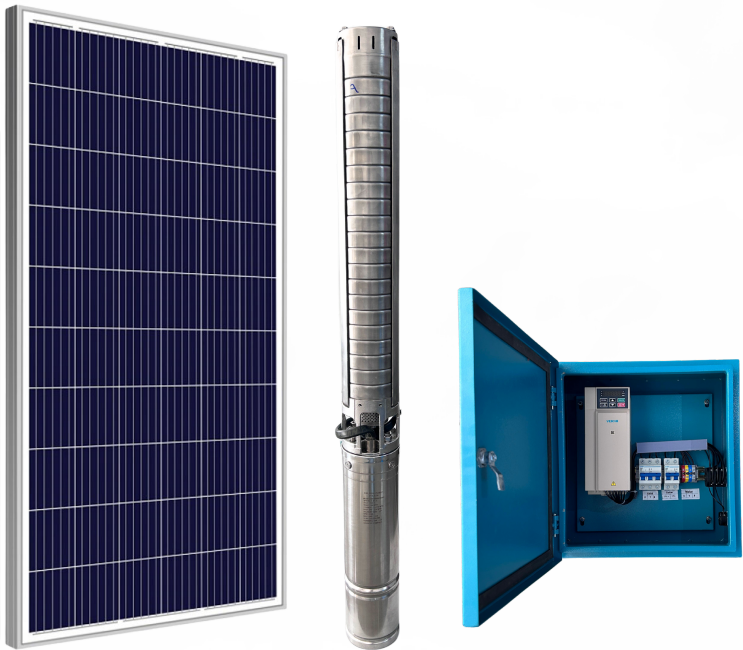
V4 Stainless Steel

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

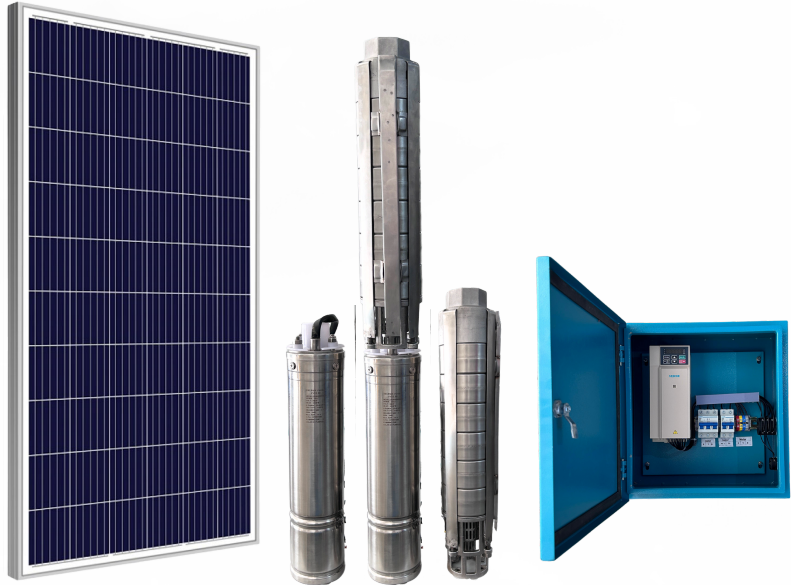
V6 Stainless Steel

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

3 HP to 10 HP
Solar Open Well Pump

Open Well Pump



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

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

1 HP to 10 HP
Solar Monoblock Pump

Monoblock Pump



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

1 HP to 10 HP
Solar Submersible Pump

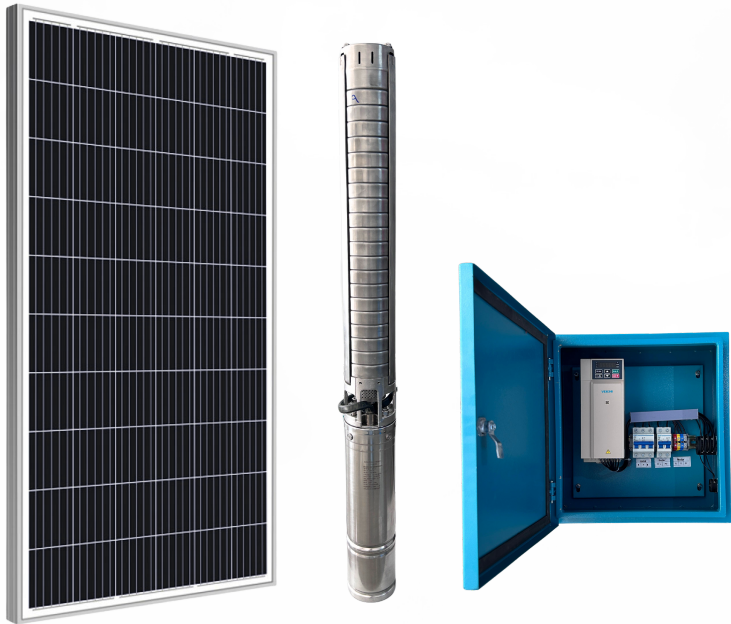
Stainless Steel

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 Φ 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

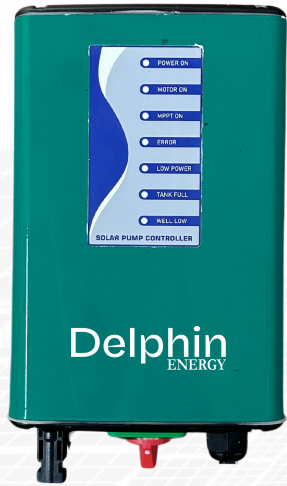
AC CONTROLLER

- 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"