



# Sileaf

Innovation In Pursuit Of Excellence

## DC Solar Water Pump

COMPLETELY INDIGENOUS PRODUCT

### KEY ADVANTAGES

- 0.5–5 HP DC water pumps
- BLDC motor with true MPPT controller
- Head range 10-150 M
- In-house technology
- 93% efficient
- 25% higher output than AC pumps
- Works in cloudy environment
- Longer daily running hours than AC pumps



Controller



#### CAPACITIES

0.5 HP

1 HP

2 HP

3 HP

5 HP



Irrigation



Drinking Water  
for Societies & Villages



Drip Irrigation



Sprinklers



Misters in  
Polyhouses

9 SERVICE CENTERS ALL OVER INDIA

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SOLAR WATER PUMP MODELS

Pump Model	Power (HP)	Dynamic Head (M)	Shut Off Head (M)	Array Capacity (Wp)	Water Output (LPD)
SDW0.5HP10DR	0.5	10	26	500Wp	25,700.00
SDW0.5HP20DR	0.5	20	30	500Wp	16,800.00
SDW0.5HP30DR	0.5	30	45	500Wp	6,000.00
SDW1HP30DR	1	30	45	900Wp	38,400.00
SDW1HP60DR	1	60	90	900Wp	11,500.00
SDW1HP90DR	1	90	120	900Wp	6,200.00
SDW1HP30IR	1	30	45	1200Wp	42,000.00
SDW2HP20IR	2	20	30	1800Wp	76,000.00
SDW2HP30IR	2	30	45	1800Wp	63,000.00
SDW3HP30IR	3	30	45	3000Wp	105,000.00
SDW3HP50IR	3	50	75	3000Wp	68,300.00
SDW3HP70IR	3	70	100	3000Wp	42,000.00
SDW5HP50IR	5	50	70	4800Wp	100,800.00
SDW5HP70IR	5	70	100	4800Wp	67,200.00
SDW5HP100IR	5	100	150	4800Wp	45,600.00

TECHNICAL SPECIFICATIONS

Specifications	0.5 HP	1 HP (900Wp)	1 HP (1200Wp)	2 HP	3 HP	5 HP
Open Circuit Voltage	90 V	150 V	185 V	275 V	250 V	400 V
Max Peak Voltage	55 V	105 V	140 V	205 V	175 V	280 V
Input Max Current	10 A	10 A	10 A	10 A	20 A	20 A
Input Power	500 Wp	900 Wp	1200 Wp	1800 Wp	3000 Wp	4800 Wp
Operating Voltage Range	45 ~ 73 Vmp	80 ~ 120 Vmp	120 ~ 180 Vmp	110 ~ 180 Vmp	130 ~ 225 Vmp	200 ~ 300 Vmp
Load Current	8.2 A	8.2 A	8.2 A	8.2 A	17 A	17 A
Enclosure Protection	IP54 Certified					
Protection	Short Circuit, Over Current, Over Voltage, Under Voltage, Reverse Polarity, Dry Run, Tank Overflow					
Indication	LED					
	Remote Monitoring Option is Available					

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