



**SUNROTOR®**  
Solar Products  
www.sunrotor.com  
1(866) 246-7652

## SR-4

### Helical Rotor Submersible Solar Pump



- Nominal 24 volt operation
- Usable voltage range of 12-24 volts
- Power range of 195 to 390 watts
- Solar, battery or dual-source
- Maximum functional lift capability of 150 ft (46 m)
- Max flow at 100 ft (30 m) is 3.9 gallons/min (14.76 liters/min) with 202.5 watts and 38.2 volts PV input
- Highly reliable, single moving part progressive cavity technology
- Readily repairable in the field
- 3/4 inch FNPT output
- Submersion limit of 100 ft below static water level (ex: 100 ft submersion + 50 ft static water level: 150 ft)
- 19 inches in height (48.3 cm)
- 3 inch diameter (76 mm) fits 3.5 inch (89 mm) casing
- Light weight - 12 pounds (5.4 kg)
- Submersible motor protected from ambient water by oil filled jacket (food grade oil protects potable water source if vessel is compromised)
- Brushless DC motor technology avoids conventional DC brush maintenance and replacement
- All electronics are mounted above ground for longer life and easy access
- Entire pump body is stainless steel to comply with all local code and pump installation requirements
- CE certified
- ISO 9001



## SRC-M50T

### DC Input Controller

- State of the art controller electronics contained in a NEMA standard conduit connection box
- Clear cover allows visible inspection of connections and LED status lights
- Linear current boosting feature converts excess voltage into amperage
- Wide operational range with max input Voc tolerance of 50 volts (DC)
- Battery or solar capabilities with low voltage cutoff for battery protection
- Wired for low water cutoff and for tank-full float cutoff switches
- Fully adjustable speed control is easily accessed through a hinged, snap hasp cover
- Housed in a highly durable metal box with cooling fins cast on the back
- Dimensions: 12" (30.5 cm) x 4.5" (11.4 cm) x 8" (20.3 cm)

*The follow page lists the pump curves for each panel configuration. Do not exceed the depth listed for each configuration, as it can damage the pump and void the warranty.*

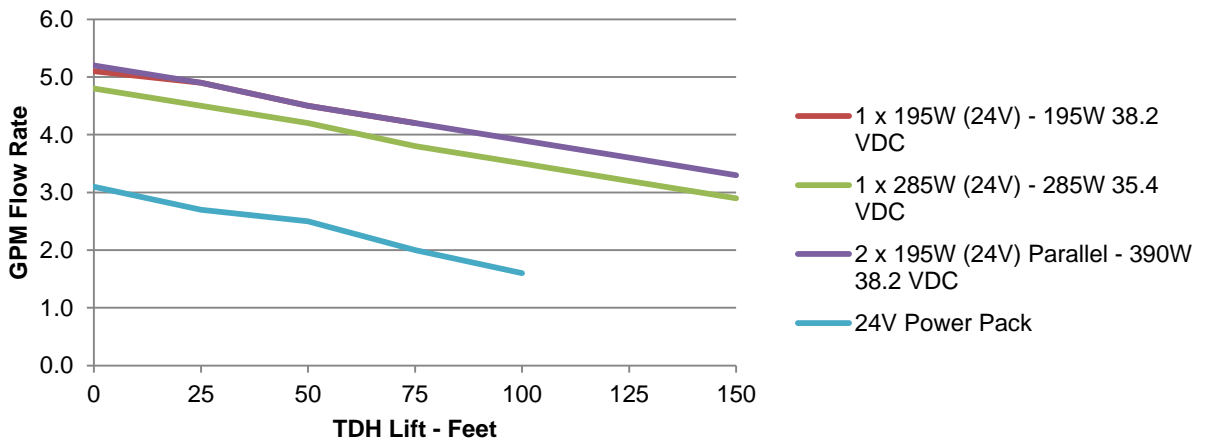


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**2 Year Warranty Outside the U.S.**  
**5 Year Total Warranty for**  
**Customers in the U.S./Canada**

- 2 years at full replacement cost
- 3 years declining (60%, 40%, 20% of the original purchase price)

**SunRotor® SR-4 Helical Rotor Pump**  
**SRC-M50T DC Input Controller**



		TDH Lift - Feet / GPM Flow Rate									
Panels	Configuration	Watts	Nominal Voltage	0	25	50	75	100	125	150	
1	195 W (24V)	195	38.2 VDC	5.1	4.9	4.5	4.2				
1	285 W (24V)	285	35.4 VDC	4.8	4.5	4.2	3.8	3.5	3.2	2.9	
2	195 W (24V) Parallel*	390	38.2 VDC	5.2	4.9	4.5	4.2	3.9	3.6	3.3	
0	24V Power Pack**	N/A	24 VDC	3.1	2.7	2.5	2.0	1.6			
		Amperage									
Panels	Configuration	Watts	Nominal Voltage	0	25	50	75	100	125	150	
1	195 W (24V)	195	38.2 VDC	2.6	3.2	3.9	4.7				
1	285 W (24V)	285	35.4 VDC	2.3	3.0	3.7	4.4	5.1	5.7	6.5	
2	195 W (24V) Parallel	390	38.2 VDC	2.5	3.1	3.9	4.5	5.3	6.0	6.6	
0	24V Power Pack	N/A	24 VDC	2.8	3.5	4.2	5.1	6.0			

10 gauge wire       8 gauge wire

\* Contact us to learn more about the advantages of our higher wattage panel configurations for those in areas that average less than 5 peak sun hours daily

\*\*Not intended for continuous 24/7 use. Subsequently, our warranty on battery-only systems are as follows: 1 year full replacement, and 18 months declining every 6 months (60%, 40%, 20%)