



**SUNROTOR**  
Solar Products

www.sunrotor.com  
1(866) 246-7652

## SR-2

### Helical Rotor Submersible Solar Pump



- Nominal 36 volt motor
  - Usable output voltage range 12-36 volts
  - Power range of 200 to 730 watts
  - Solar, battery or dual-source
  - Maximum functional lift capability of 225 ft (75 m)
  - Max flow at 100 ft (30 m) is 5.8 gallons/min (22 liters/ min) with 304 watts and 39 volts PV input
  - Highly reliable, single moving part progressive cavity technology
  - Readily repairable in the field
  - 1 inch FNPT output must be used
- Submersion limit of 100 ft below static water level (ex: 100 ft submersion + 50 ft static water level: 150 ft)
  - 23 inches in height (58.4 cm)
  - 2 inch diameter (53 mm) fits 2 ¼ inch (57 mm) casing
  - Light weight – 8.5 pounds (3.9 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
  - 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 following 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*



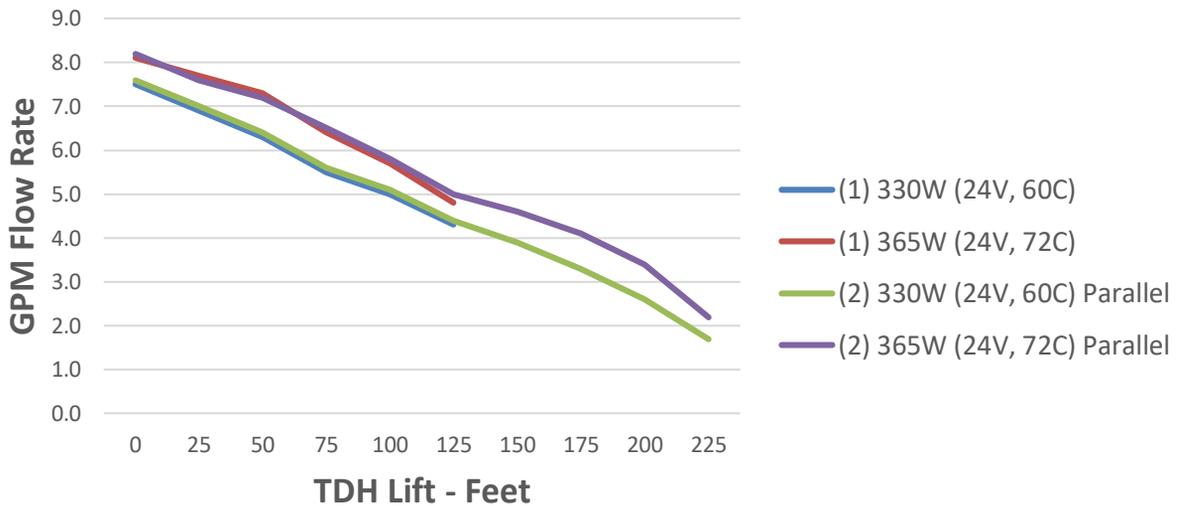
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5 Year Total Warranty for US/Canada Customers

- 2 years at full replacement cost
- 3 years of descending cost coverage (60%, 40%, 20% cost)

2 Year Warranty outside of US/Canada

### Sunrotor SR-2 Helical Rotor Pump MRC-M50T DC Input Controller



Solar Panels	Solar Panel Size and Configuration	Total Array Wattage	Nominal Voltage to Controller	SunRotor Controller Model	TDH Lift - Ft / Gallons per Minute												
					0	25	50	75	100	125	150	175	200	225			
1	(1) 330W (24V, 60C)	330	36 VDC	SRC-M50T	7.5	6.9	6.3	5.5	5.0	4.3							
1	(1) 365W (24V, 72C)	365	39 VDC	SRC-M50T	8.1	7.7	7.3	6.4	5.7	4.8							
2	(2) 330W (24V, 60C) Parallel	660	36 VDC	SRC-M50T	7.6	7.0	6.4	5.6	5.1	4.4	3.9	3.3	2.6	1.7			
2	(2) 365W (24V, 72C) Parallel	730	39 VDC	SRC-M50T	8.2	7.6	7.2	6.5	5.8	5.0	4.6	4.1	3.4	2.2			

Solar Panels	Solar Panel Size and Configuration	Total Array Wattage	Nominal Voltage to Controller	SunRotor Controller Model	Amperage												
					0	25	50	75	100	125	150	175	200	225			
1	(1) 330W (24V, 60C)	330	36 VDC	SRC-M50T	3.2	4.2	5.1	6.6	7.5	9.0							
1	(1) 365W (24V, 72C)	365	39 VDC	SRC-M50T	3.5	4.5	5.2	6.5	7.8	9.0							
2	(2) 330W (24V, 60C) Parallel	660	36 VDC	SRC-M50T	3.2	4.2	5.1	6.4	7.5	9.0	9.8	10.9	11.5	11.5			
2	(2) 365W (24V, 72C) Parallel	730	39 VDC	SRC-M50T	3.5	4.5	5.2	6.5	7.8	9.0	10.0	11.0	11.5	11.50			

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

Pump not intended for continuous 24/7 use. Warranty on battery-only systems are reduced to 1 year full replacement and 18 months of descending cost coverage every 6 months