



SUNROTOR
Solar Products

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

SR-5

Helical Rotor Submersible Solar Pump



- Nominal 36 volt motor
 - Usable voltage range of 12-36 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 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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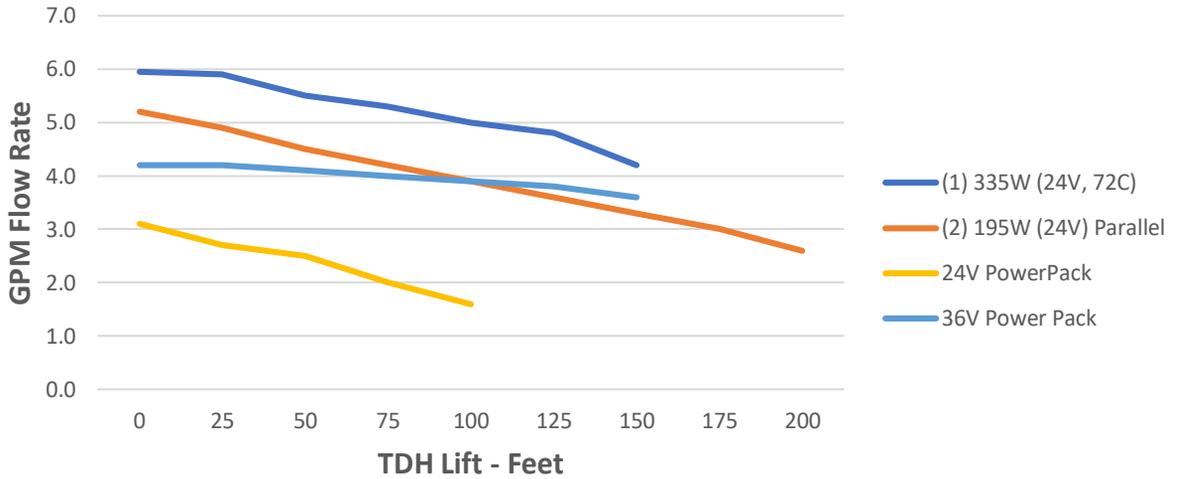
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5 Year Total Warranty for US/Canada Customers

- 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-5 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 - Ft / Gallons per Minute									
					0	25	50	75	100	125	150	175	200	
1	(1) 335W (24V, 72C)	335	36 VDC	SRC-M50T	6.0	5.9	5.5	5.3	5.0	4.8	4.2			
2	(2) 195W (24V) Parallel	390	24 VDC	SRC-M50T	5.2	4.9	4.5	4.2	3.9	3.6	3.3	3.0	2.6	
0	24V PowerPack	N/A	24 VDC	SRC-M50T	3.1	2.7	2.5	2.0	1.6					
0	36V Power Pack	N/A	36 VDC	SRC-M50T	4.2	4.2	4.1	4.0	3.9	3.8	3.6			

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	
1	(1) 335W (24V, 72C)	335	36 VDC	SRC-M50T	4.2	4.7	5.4	6.1	6.8	7.4	7.3			
2	(2) 195W (24V) Parallel	390	24 VDC	SRC-M50T	2.5	3.1	3.9	4.5	5.3	6.0	6.6	7.3	8.0	
0	24V PowerPack	N/A	24 VDC	SRC-M50T	2.8	3.5	4.2	5.1	6.0					
0	36V Power Pack	N/A	36 VDC	SRC-M50T	1.8	2.3	3.0	3.6	4.3	5.0	5.5			

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