



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

SR-6 (48V)

Helical Rotor Submersible Solar Pump



- Nominal 48 volt operation
 - Usable voltage range 24-48 volts
 - Power range 390 watts to 780 watts
 - Solar, battery or a combination
 - Maximum functional lift capability of 200 ft (61 m)
 - Max flow at 100 ft (30 m) is 6.7 gallons/min (25.36 liters/min) with 780 watts and 48 volts PV input
 - Highly reliable, single moving part progressive cavity technology
 - Readily repairable in the field
 - 3/4 inch FNPT output
- Designed for submersible operation up to 100 ft
 - 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 (vegetable based 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-M100T

24-48 DC Input Controller

- State of the art controller electronics contained in NEMA standard conduit connection box
- Clear cover allows visible inspection of connections and of LED status lights
- MPPT and current booster technology incorporated
- Wide operational range with max input voltage tolerance of 100 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 in 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.

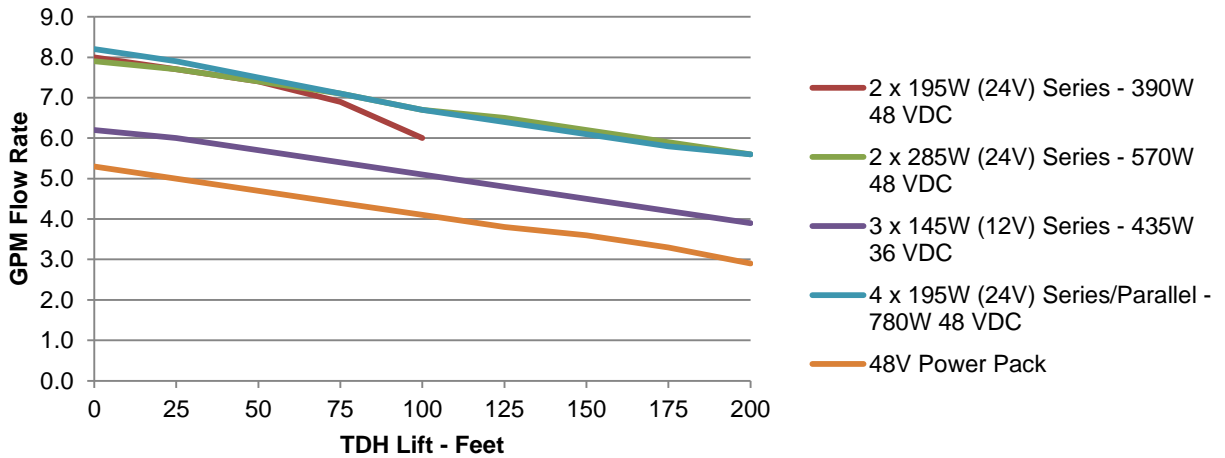


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2 Year Warranty Outside the U.S.
5 Year Total Warranty for
Customers in the U.S./Canada

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

SunRotor® SR-6 (48V) Helical Rotor Pump
SRC-M100T DC Input Controller



		TDH Lift - Feet / GPM Flow Rate										
Panels	Configuration	Watts	Voltage	0	25	50	75	100	125	150	175	200
2	195 W (24V) Series	390	48 VDC	8.0	7.7	7.4	6.9	6.0				
2	285 W (24V) Series	570	48 VDC	7.9	7.7	7.4	7.1	6.7	6.5	6.2	5.9	5.6
3	145 W (12V) Series*	435	36 VDC	6.2	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9
4	195 W (24V) Series/Parallel	780	48 VDC	8.2	7.9	7.5	7.1	6.7	6.4	6.1	5.8	5.6
0	48 V PowerPack**	N/A	48 VDC	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3	2.9

		Amperage										
Panels	Configuration	Watts	Voltage	0	25	50	75	100	125	150	175	200
2	195 W (24V) Series	390	48 VDC	2.8	3.3	3.9	4.5	4.9				
2	285 W (24V) Series	570	48 VDC	2.4	3.0	3.6	4.2	4.8	5.3	5.9	6.5	7.0
3	145 W (12V) Series	435	36 VDC	2.1	2.7	3.3	3.9	4.6	5.1	5.6	6.2	6.8
4	195 W (24V) Series/Parallel	780	48 VDC	2.8	3.5	4.1	4.7	5.2	5.7	6.2	6.8	7.2
0	48 V PowerPack	N/A	48 VDC	2.1	2.6	3.2	3.8	4.4	5.0	5.6	6.1	6.6

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%)