



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

SR-12

Helical Rotor Submersible Solar Pump



- Nominal 110 volt operation
 - Usable voltage range 48-110 volts
 - Power range 370 watts to 2320 watts
 - Solar, battery or a combination
 - Maximum functional lift capability of 300 ft (91 m)
 - Max flow at 100 ft (30 m) is 7.4 gallons/min (28 liters/ min) with 390 watts and 48 volts PV input
 - Highly reliable, single moving part progressive cavity technology
 - Readily repairable in the field
 - 1 inch FNPT output
- Designed for submersible operation up to 100 ft
 - 4" diameter (102 mm) fits 4.5" (114 mm) casing
 - Light weight - 23 pounds (10.4 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.

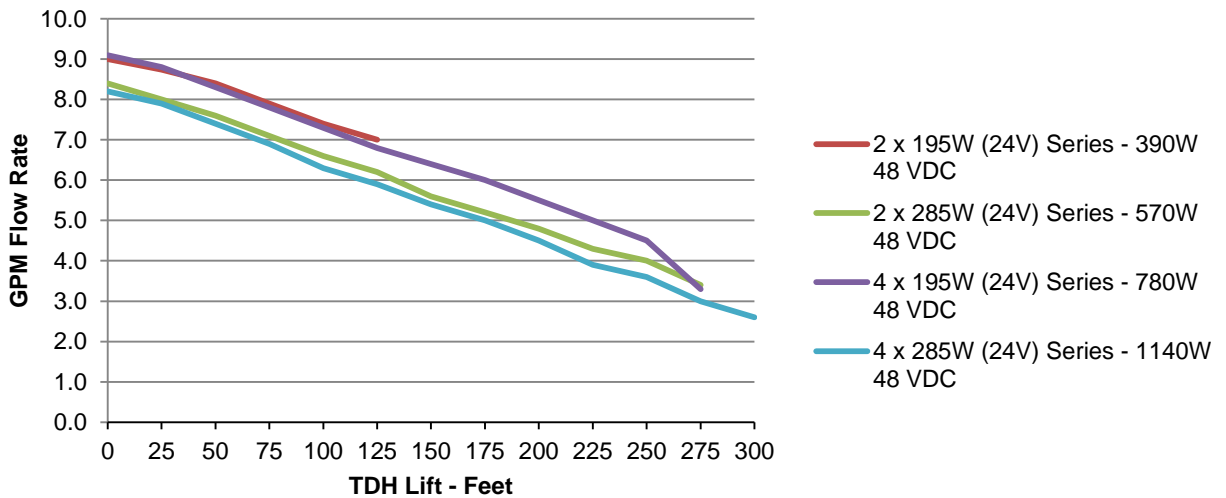


SUNROTOR®
Solar Products
 www.sunrotor.com
 1(866) 246-7652

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-12 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	225	250	275	300
2	195 W (24V) Series	390	48 VDC	9.0	8.7	8.4	7.9	7.4	7.0							
2	285 W (24V) Series	570	48 VDC	8.4	8.0	7.6	7.1	6.6	6.2	5.6	5.2	4.8	4.3	4.0	3.4	
4	195 W (24V) Series/Parallel	780	48 VDC	9.1	8.8	8.3	7.8	7.3	6.8	6.4	6.0	5.5	5.0	4.5	3.3	
4	285 W (24V) Series/Parallel*	1140	48 VDC	8.2	7.9	7.4	6.9	6.3	5.9	5.4	5.0	4.5	3.9	3.6	3.0	2.6
				Amperage												
Panels	Configuration	Watts	Voltage	0	25	50	75	100	125	150	175	200	225	250	275	300
2	195 W (24V) Series	370	48 VDC	2.0	2.8	3.4	4.0	4.6	5.1							
2	285 W (24V) Series	580	48 VDC	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9	6.5	7.1	7.5	7.9	
4	195 W (24V) Series/Parallel	740	48 VDC	1.8	2.2	2.9	3.7	4.3	4.9	5.4	6.0	6.6	7.2	7.2	7.2	
4	285 W (24V) Series/Parallel	1160	48 VDC	2.0	2.6	2.9	3.5	4.1	4.6	5.2	5.8	6.3	6.9	7.3	8.0	8.6



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