



**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 570 watts to 1740 watts
  - Solar, battery or a combination
  - Maximum functional lift capability of 425 ft (130 m)
  - Max flow at 100 ft (30 m) is 15.1 gallons/min (57.2 liters/min) with 793 watts and 141.6 volts PV input
  - Highly reliable, single moving part progressive cavity technology
  - Readily repairable in the field
  - 1 inch FNPT output
- Submersion limit of 100 ft below static water level (ex: 100 ft submersion + 50 ft static water level: 150 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 (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-M200T

### DC Input Controller

- State of the art controller electronics contained in a NEMA standard weather resistant enclosure
- 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 voltage tolerance of 200 volts (DC)
- Battery or solar capabilities with low voltage cutoff for battery protection
- Features low water cutoff and tank-full float switch input wiring terminals
- Variable timer control on low-water circuit
- Adjustable speed control
- Hinged enclosure door for easy accessibility to wiring terminals and controls
- Dimensions: 12" (30.5 cm) x 8" (20.3 cm)

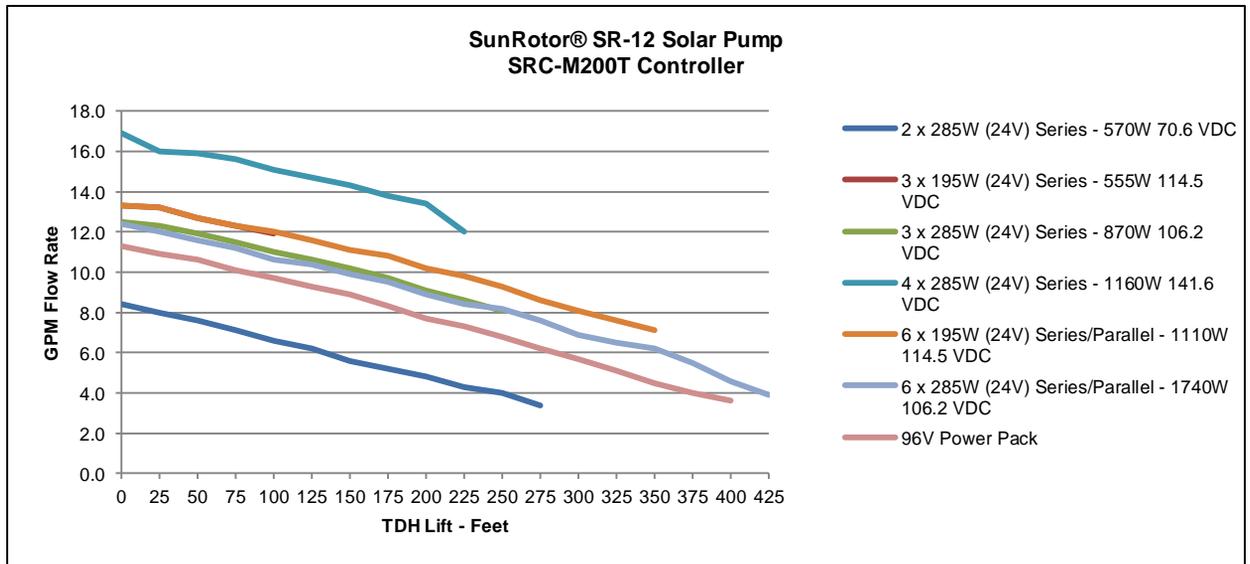
*The follow page lists the pump curves for each panel configuration. Do not exceed the depth listed for each configuration, as it can damage the pump and void the warranty.*



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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)



			TDH Lift - Feet / GPM Flow Rate																			
Panels	Configuration	Watts	Nominal Voltage	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	
2	285 W (24V) Series	570	70.6 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							
3	195 W (24V) Series	555	114.5 VDC	13.3	13.2	12.7	12.3	11.9														
3	285 W (24V) Series	870	106.2 VDC	12.5	12.3	11.9	11.5	11.0	10.6	10.2	9.7	9.1	8.6	8.1								
4	285 W (24V) Series	1140	141.6 VDC	16.9	16.0	15.9	15.6	15.1	14.7	14.3	13.8	13.4	12.0									
6	195 W (24V) Series/Parallel	1110	114.5 VDC	13.3	13.2	12.7	12.3	12.0	11.6	11.1	10.8	10.2	9.8	9.3	8.6	8.1	7.6	7.1				
6	285 W (24V) Series/Parallel*	1740	106.2 VDC	12.4	12.0	11.6	11.2	10.6	10.4	9.9	9.5	8.9	8.4	8.2	7.6	6.9	6.5	6.2	5.5	4.6	3.9	
0	96V Power Pack**	N/A	96 VDC	11.3	10.9	10.6	10.1	9.7	9.3	8.9	8.3	7.7	7.3	6.8	6.2	5.7	5.1	4.5	4.0	3.6		
			Amperage																			
Panels	Configuration	Watts	Nominal Voltage	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	
2	285 W (24V) Series	570	70.6 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							
3	195 W (24V) Series	585	114.5 VDC	2.8	3.3	4.0	4.6	5.1														
3	285 W (24V) Series	855	106.2 VDC	2.5	3.0	3.6	4.2	4.8	5.3	5.8	6.4	7.0	7.5	8.0								
4	285 W (24V) Series	1140	141.6 VDC	3.5	3.9	4.5	5.0	5.6	6.1	6.7	7.3	7.9	8.1									
6	195 W (24V) Series/Parallel	1170	114.5 VDC	2.8	3.3	4.0	4.5	5.1	5.6	6.1	6.7	7.3	7.8	8.2	8.7	9.2	9.7	10.3				
6	285W (24V) Series/Parallel	1710	106.2 VDC	2.6	3.0	3.6	4.2	4.8	5.3	5.9	6.5	7.0	7.6	8.0	8.4	9.0	9.5	10.0	10.7	11.3	11.9	
0	96V PowerPack	N/A	96 VDC	2.3	2.8	3.4	4.0	4.6	5.1	5.7	6.2	6.8	7.3	7.7	8.3	8.9	9.5	10.1	10.6	11.1		

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%)