



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 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.

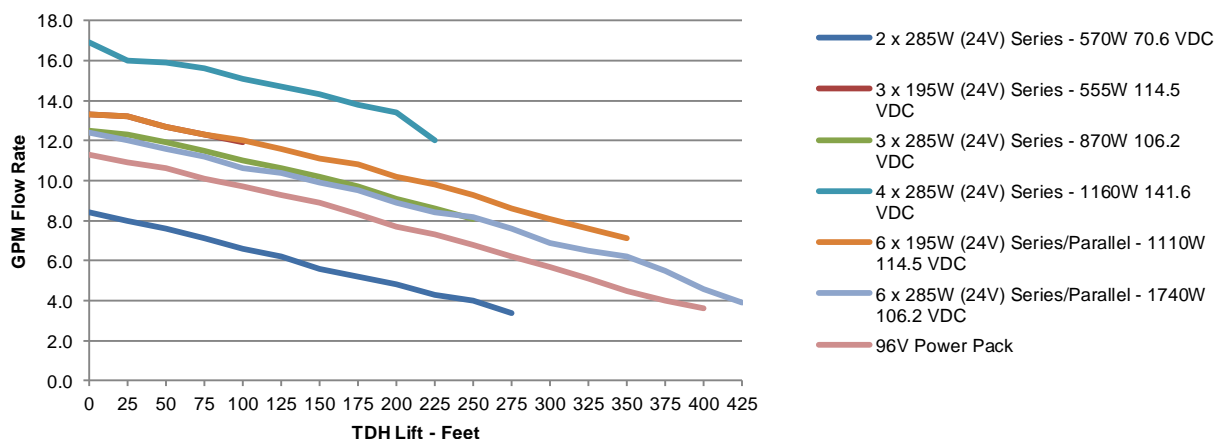


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2 Year Warranty Outside the U.S.
5 Year Total Warranty for
Customers in the U.S./Canada

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

SunRotor® SR-12 Solar Pump
SRC-M200T Controller



			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%)