



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

SR-16

Centrifugal Solar Pump



- Nominal 110 volt operation
 - 200 Voc maximum input voltage
 - Power range 855 watts to 1560 watts
 - Solar, battery or a combination
 - Maximum functional lift capability of 425 ft (137.2 m)
 - Max flow at 100 ft (30.5 m) is 16.2 gallons/min (61.32 liters/min) with 1560 watts and 152.6 volts PV input
 - 3.75" diameter (95 mm) fits 4" (102 mm) casing
 - Weight : 27 pounds (12.5 kg)
 - Submersible motor protected from ambient water by oil filled jacket (food grade oil protects potable water source if vessel is compromised)
 - All electronics are mounted above ground for longer life and easy access
- Submersion limit of 100 ft below static water level (ex: 100 ft submersion + 50 ft static water level: 150 ft)
 - Brushless DC motor technology avoids conventional DC brush maintenance and replacement
 - Entire pump body is stainless steel to comply with all local code and pump installation requirements
 - Multi-stage Impeller Pump
 - 1.25" (32 mm) FNPT outlet
 - 304 Stainless Steel pump body and impellers
 - 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.

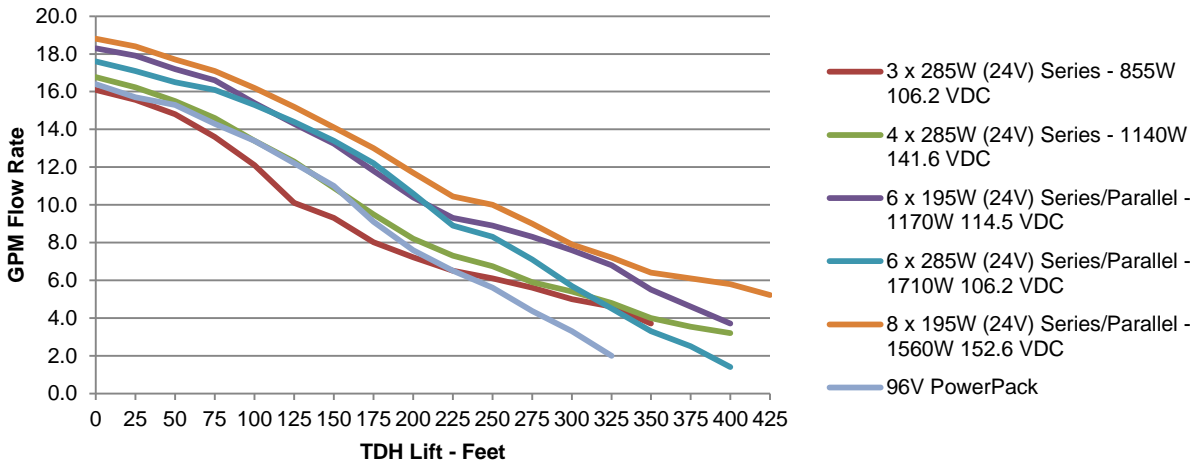


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2 Year Warranty Outside the U.S.
5 Year Total Warranty for
Customers in the U.S./Canada

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

**SunRotor® SR-16 Centrifugal Pump
 SRC-M200T DC Input 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	
3	285 W (24V) Series	855	106.2 VDC	16.1	15.6	14.8	13.6	12.1	10.1	9.3	8.0	7.2	6.5	6.1	5.6	5.0	4.6	3.7				
4	285 W (24V) Series	1140	141.6 VDC	16.8	16.2	15.5	14.6	13.4	12.3	10.9	9.5	8.2	7.3	6.8	5.9	5.4	4.8	4.0	3.5	3.2		
6	195 W (24V) Series/Parallel	1170	114.5 VDC	18.3	17.9	17.2	16.6	15.4	14.3	13.2	11.8	10.4	9.3	8.9	8.3	7.6	6.8	5.5	4.6	3.7		
6	285 W (24V) Series/Parallel*	1710	106.2 VDC	17.6	17.1	16.5	16.1	15.3	14.4	13.4	12.2	10.6	8.9	8.3	7.1	5.7	4.5	3.3	2.5	1.4		
8	195 W (24V) Series/Parallel	1560	152.6 VDC	18.8	18.4	17.7	17.1	16.2	15.2	14.1	13.0	11.7	10.4	10.0	9.0	7.9	7.2	6.4	6.1	5.8	5.2	
0	96V PowerPack**	N/A	96 VDC	16.4	15.7	15.3	14.3	13.4	12.2	11.0	9.1	7.6	6.5	5.6	4.4	3.3	2.0					
		Amperage																				
Panels	Configuration	Watts	Nominal Voltage	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	
3	285 W (24V) Series	855	106.2 VDC	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	
4	285 W (24V) Series	1140	141.6 VDC	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	
6	195 W (24V) Series/Parallel	1170	114.5 VDC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.1	9.5	9.0	8.4	
6	285 W (24V) Series/Parallel	1710	106.2 VDC	9.6	9.5	9.7	10.0	10.2	10.3	10.3	10.4	10.3	10.0	9.9	9.5	8.8	8.3	7.7	7.1	6.4		
8	195 W (24V) Series/Parallel	1560	152.6 VDC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
0	96V PowerPack	N/A	96 VDC	8.4	8.5	8.5	8.7	8.9	8.9	9.0	8.8	8.6	8.2	7.9	7.3	6.5	6.1					

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%)