



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.

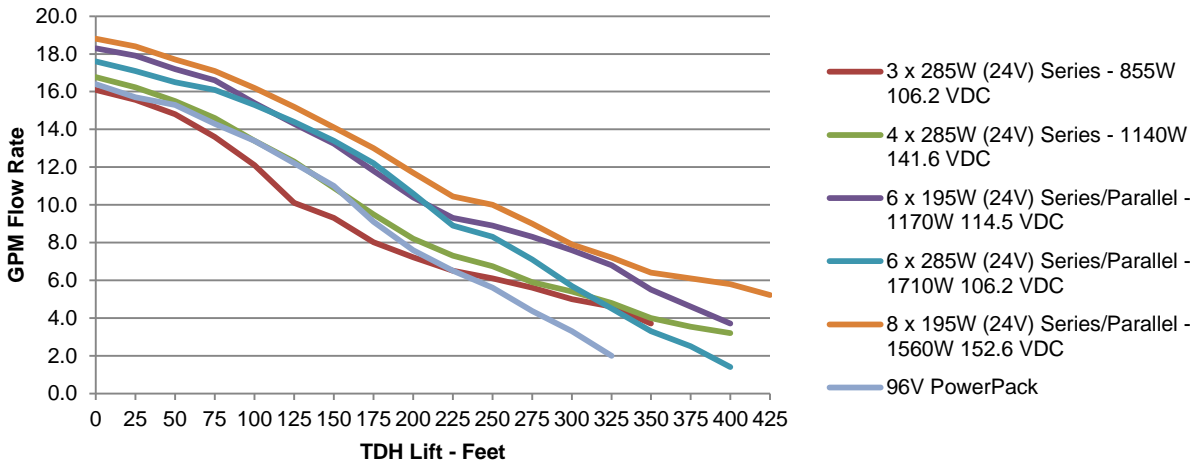


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2 Year Warranty Outside the U.S.
5 Year Total Warranty for
Customers in the U.S./Canada

- 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%)