



SUNROTOR
Solar Products

www.sunrotor.com
1(866) 246-7652

SR-8

Centrifugal Submersible Solar Pump



- Nominal 48 volt motor
- Usable voltage range of 36-48 volts
- Power range of 310 to 800 watts
- Solar, battery or dual-source
- Maximum functional lift capability of 250 ft (76 m)
- Max flow at 100 ft (30 m) is 10.0 gallons/min (46.2 liters/ min) with 800 watts and 90 volts PV input
- Silt and caustic resistant centrifugal chamber pump head
- 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)
- 39 inches in height (53.3 cm)
- 3 inch diameter (76 mm) fits 3.5 inch (89 mm) casing • 22 pounds (10 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-M100T

DC Input Controller

- State of the art controller electronics contained in a NEMA standard conduit connection box
- 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 Voc 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 on the back
- Dimensions: 12" (30.5 cm) x 4.5" (11.4 cm) x 8" (20.3 cm)

The following 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



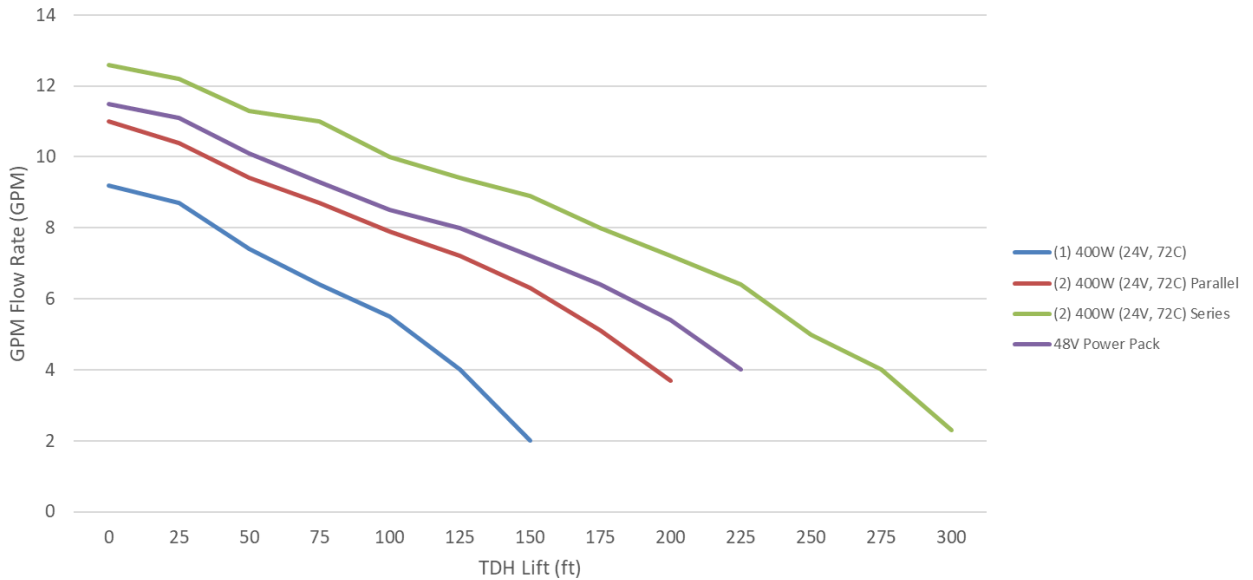
SUNROTOR[®]
Solar Products
 www.sunrotor.com
 1(866) 246-7652

5 Year Total Warranty for US/Canada Customers

- 2 years at full replacement cost
- 3 years of descending cost coverage (60%, 40%, 20% cost)

2 Year Warranty outside of US/Canada

Sunrotor SR-8 Centrifugal Pump



Solar Panels	Solar Panel Size and Configuration	Total Array Wattage	Nominal Voltage to Controller	SunRotor Controller Model	TDH Lift - Ft / Gallons per Minute															
					0	25	50	75	100	125	150	175	200	225	250	275	300			
1	(1) 400W (24V, 72C)	400	35 VDC	SCR-M100T	9.2	8.7	7.4	6.4	5.5	4	2									
2	(2) 400W (24V, 72C) Parallel	800	45 VDC	SCR-M100T	11	10.4	9.4	8.7	7.9	7.2	6.3	5.1	3.7							
2	(2) 400W (24V, 72C) Series	800	90 VDC	SCR-M100T	12.6	12.2	11.3	11	10	9.4	8.9	8	7.2	6.4	5	4	2.3			
0	48V Power Pack	N/A	48 VDC	SCR-M100T	11.5	11.1	10.1	9.3	8.5	8	7.2	6.4	5.4	4						

Solar Panels	Solar Panel Size and Configuration	Total Array Wattage	Nominal Voltage to Controller	SunRotor Controller Model	Amperage															
					0	25	50	75	100	125	150	175	200	225	250	275	300			
1	(1) 400W (24V, 72C)	400	35 VDC	SCR-M100T	9	9	9	9	9	9	9									
2	(2) 400W (24V, 72C) Parallel	800	45 VDC	SCR-M100T	11	11	11	11	11	11	11	11	11							
2	(2) 400W (24V, 72C) Series	800	90 VDC	SCR-M100T	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	
0	48V Power Pack	N/A	48 VDC	SCR-M100T	11.6	11.5	11.2	11.2	11.1	11	11.2	11.3	11.25	11.1						

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

Pump not intended for continuous 24/7 use. Warranty on battery-only systems are reduced to 1 year full replacement and 18 months of descending cost coverage every 6 months