



**SUNROTOR**  
Solar Products

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

## SR-7

### Centrifugal Submersible Solar Pump



- Nominal 36 volt motor
- Usable voltage range of 24-36 volts
- Power range of 310 to 800 watts
- Solar, battery or dual-source
- Maximum functional lift capability of 150 ft (46 m)
- Max flow at 100 ft (30 m) is 12.3 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)
- 24 inches in height (62 cm)
- 3 inch diameter (76 mm) fits 3.5 inch (89 mm) casing • Light weight - 14 pounds (6.3 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-M50T

### 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 50 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*



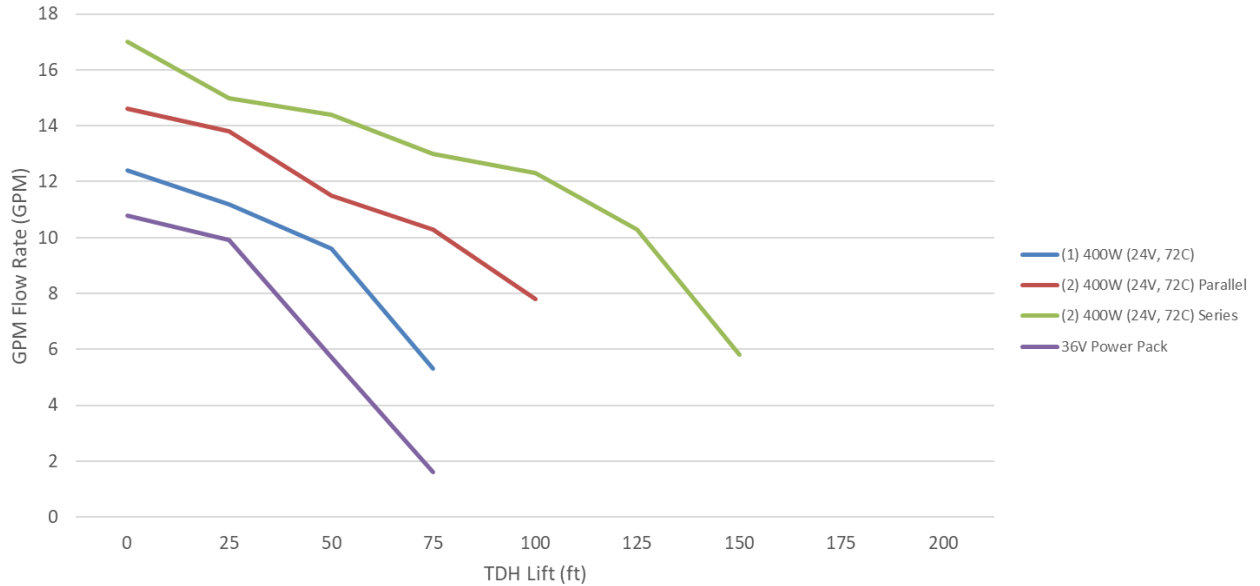
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5 Year Total Warranty for US/Canada Customers

- 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-7 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
1	(1) 400W (24V, 72C)	400	35 VDC	SCR-M50T	12.4	11.2	9.6	5.3					
2	(2) 400W (24V, 72C) Parallel	800	45 VDC	SCR-M50T	14.6	13.8	11.5	10.3	7.8				
2	(2) 400W (24V, 72C) Series	800	90 VDC	SCR-M100T	17	15	14.4	13	12.3	10.3	5.8		
0	36V Power Pack	N/A	36 VDC	SCR-M50T	10.8	9.9	5.7	1.6					

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
1	(1) 400W (24V, 72C)	400	35 VDC	SCR-M50T	9.5	9.5	9.5	9.5					
2	(2) 400W (24V, 72C) Parallel	800	45 VDC	SCR-M100T	11.5	11.5	11.5	11.1	11.4				
2	(2) 400W (24V, 72C) Series	800	90 VDC	SCR-M100T	8.4	8.4	8.5	8.5	8.5	8.4	8.4		
0	36V Power Pack	N/A	36 VDC	SCR-M50T	8.5	8.5	8.5	8.5					

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