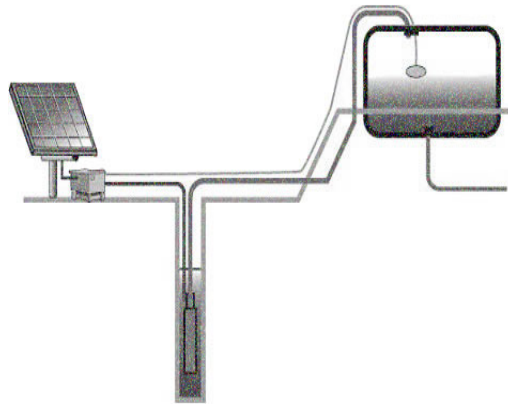


MITRAMAX SOLAR is happy SOLAR DC SUBMERSIBLE PUMPS to the farming rural community and are receiving good response from the farmers. Our pumps are available at half the cost of solar energy driven submersible single phase AC pumps.

These are vertical multi-stage centrifugal pumps with high efficiency and reliability. The pump motors are made from permanent magnets and are brushless. The pump body is made of high quality Stainless steel and requires minimum maintenance. The pump has long life with less supervision. The water lubricated bearing makes the submersible pump more environment friendly (no oil), easy to install and more reliable. Built-in Solar Energy Maximiser Controller (MPPT) ensures the maximum performance from the solar array at all times and in all weather conditions.

BENEFITS OF DC SYSTEM

- No grid electric Supply required
- Long operating life
- Highly reliable and durable
- Easy to operate and maintain
- Eco-friendly
- No fuel cost- uses abundantly available free solar energy



APPLICATIONS

- Agriculture – Flood or Drip Irrigation for small farms
- Rural Drinking Water Applications
- Water supply to remote homes / agriculture
- Commercial and Residential Establishments
- Educational Institutions

FEATURES

- Wide working voltage.
- No inverter - D.C. motor connects directly to solar panels
- Simple installation and maintenance & Highly reliable
- Built-in MPPT controller which can make the best use of solar energy.
- Over-voltage protection / Under-voltage protection:
(The pump will stop working automatically when the voltage is too high or too low; Then it will detect the voltage every 10 minutes, and it will start to work automatically when the voltage is between the working voltage range of the pump.)
- The pump can be directly connected to solar panels without controller in sunshine since a MPPT peak power tracker is built-in.

TECHNICAL DATA

Model Series	-A	-B
Water Volume	3M ³ (3000L) per Hour 50L per Min	10 M ³ (10,000L) per Hour 166L per min
Water Outlet Size	25mm (1")	62mm (2.5")
Protection Class	IP68 (Waterproof - Submersible)	
Speed of rotation	3000 rpm	

SPECIFICATIONS

Model	Water Flow/ Hr	Lift Head In Mtr	Input DC Voltage	DC Power	Dimensions In mm	Cable Length
SPDC12/10M-A	1000Ltr (17L/Min)	10	12V (10V-17V)	132W	76D x300L	2M
SPDC12/20M-A		20		264W	76Dx450L	5M
SPDC12/30M-A		30		396W	76Dx600L	5M
SPDC12/10M-B	3300Ltr (50L/Min)	10	48V (40 -90V)	480W	160Dx480L	2M
SPDC12/20M-B		20		960W	160Dx600L	5M
SPDC12/30M-B		30		1440W	160Dx800L	5M

Minimum PV Module Capacity

Model	DC Power	PV Solar Panel Wp
SPDC12/10M-A	132W	200Wp
SPDC12/20M-A	264W	2x200Wp
SPDC12/30M-A	396W	3x200Wp
SPDC12/10M-B	480W	3x220Wp
SPDC12/20M-B	960W	5x250Wp
SPDC12/30M-B	1440W	7x250Wp



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