

# GreenMAGIC

Increase profits with pride...



## Solar Pump Controller

- Operate pump with solar energy
- Useful in areas with no or unreliable AC supply
- Available at subsidised cost through Government schemes
- Automatic use of AC supply during shortage of solar power
- No need to replace existing pump

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## User Benefits

- Reduced dependency on unreliable electric supply
- Ensures minimum electric power bill
- Contribution to reduction in CO2 emissions & preservation of limited fossil fuel

## Unique Features

- Partial use of AC power during shortage of solar power ensures pump operation with 100% power
- Unique MPPT (Max. Power Point Tracking) algorithm ensures maximum use of solar power
- Sensorless dry run protection
- Motor protections : Short circuit, overload, Single phasing, reverse phasing, under voltage & over voltage
- Auto start function as per solar intensity

## Applications

- Agriculture Farms
- Farm Houses
- Jungle Resorts
- Domestic Water Pumping
- Defense
- Solar Energy Plants

## Specifications

- Input AC voltage supply range : 3 phase 415 VAC (+10% & -15%)
- Current distortion : <5%
- Ambient temp. : 10 to 60 °C
- Protection : IP55
- Cooling : Forced air cooling

## Optional Accessories

- **Battery Charger unit**  
Solar power can be harnessed to charge batteries, during off condition of the pump or when solar power is not sufficient to operate the pump. A charged battery can be used to power TV, CFL, Computer during night hours.
- **Flexible output**  
When pump is not required during daytime, output of the unit can be diverted to AC loads such as TV, computer, fans through a rotary switch.

Models Available		
Sr. No.	Models	Suitable for Pump Rating (hp)
1.	GMSPC - 01	1
2.	GMSPC - 03	3
3.	GMSPC - 05	5
4.	GMSPC - 07	7.5
5.	GMSPC - 10	10

\* Higher ratings are available on request.



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