



Efficient | Economical | Profitable



Solar Pump Controller 1 HP To 10 HP

Water is essential to all forms of life. Traditional power is unavailable to power a submersible or motor in many remote areas around the world. Genus is committed to provide quality, availability, service, innovation and value by developing innovative systems for renewable energy.

- Inbuilt MPPT Technology
- Integrated Frequency Drive Functions,
To Save Power & Protect Pump Motor
- Transform Solar PV DC To AC
To Run AC Pumps
- User Friendly
- IP Protected Enclosure

TECHNICAL SPECIFICATION		
S.N.	Parameters	Specification
1	Technology	VFD
PUMP CONTROLLER OUTPUT		
2	Phase	Three Phase
3	Voltage	380V-430V
4	Frequency	50Hz/60Hz
5	Current	13A
6	Output Load	5HP/3.7KW
7	Overload	150% of rated output current for 1min.
DC INPUT		
8	DC Input Voltage Range	250-800V
9	MPPT Range	500-700V
10	Toatl watts of solar panel	4800W
AC INPUT		
11	Phase	Three Phase
12	Mains input voltage range	380-430V
13	Input Frequency	50Hz-60Hz
INDICATIONS AND ALARM		
14	Seven Segment	Seven segment display with indications All warning O/P and AC mains voltage ,DC Input Volatge & O/P load
COMMUNICATION INTERFACE		
15	Port	RS-485
PROTECTION		
16	Over voltage Mains	>430V
17	Under voltage Mians	<380V
18	Over Voltage PV	>800V
19	Under voltage PV	<250V
20	Overload	>100%
21	Dry Run	As per pump specification
ENVIRONMENTAL PARAMETERS		
22	Cooling system	Fan cooling
23	Operating Temperature	0 to 45°C

Applications

Water Supply

- Villages, schools, hospitals, homes, Housing Societies, Apartments etc.
- Rural schemes (PHED)
- Resorts, hotels and farmhouses
- Tribal welfare departments
- Animal farms and poultries

Irrigation

- Farms, fields & greenhouses
- Forest departments
- Corporate/ industry parks and gardens (unattended and automatic watering)
- Sprinklers and drip irrigation for agro based industries

Other:

- Fountains • Water parks
- Watering of golf courses, Pools etc.

