

Microcare Three-Phase Solar Pump Controller

Microcare products are designed and developed locally with extensive field testing before the manufacturing process begins. Ideal for South African conditions the Microcare Three Phase Solar Pump Controller is designed to provide power to remote applications of motors and pumps. Driven by innovation the unit is a Maximum Power Point Tracker (MPPT) facilitating a maximum power generation for efficient usage. With its variable speed selectable control and flow switch input the unit is able to offer a true Solar Pump Controller capable of producing high efficiency and maximum power output. A unique overdrive feature which allows a lower PV voltage operation is built into the unit.

Features:

- Surge Protection
- Input Voltage of 450-1000 V_{DC}
- Compatible with any 3phase 380V motors
- LED status feedback
- High - Low water probes
- Float switch input
- Trip and restart controls
- IP65 rated
- Built in Variable Speed Drive (VSD)
- Unique overdrive feature allows lower PV Voltage operation
- No external enclosure box required
- Cost effective installation



Model	1.5kW 220V Three-Phase	1.5kW 380V Three-Phase	5.5kW 380V Three-Phase
PV V _{oc} Range	365 - 550V	600 - 850V	600 - 850V
PV V _{MP} Range	265 – 400V	450 – 650V	450 – 650V
Recommended PV V _{MP} (Max Efficiency)	310V	550V	550V
Rated Output Power	1.5kW	1.5kW	5.5kW
Frequency Range	5-65Hz (Programmable)		
Ambient Temp Range	0-40°C		
Protection	Overload, Short Circuit, Over Temperature, Under Voltage, Over Voltage, Surge Protection		
Dimensions (H x W x D)	285 x 240 x 120mm		
Warranty	1 year		
Availability	May 2016	March 2016	April 2016