

## 1.5kW Three-Phase Solar VSD 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 VSD 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. The unique built in overdrive feature allows for a lower PV voltage operation.



- Surge Protection
- PV Panel Input Voltage of 450-1000 V<sub>DC</sub>
- Compatible with three-phase 220V & 380V motors that are VSD approved
- LED status feedback
- High - Low water input connectors
- Float switch input
- Trip and restart controls
- Built in Variable Speed Drive (VSD)
- Unique overdrive feature allows lower PV Voltage operation than is currently available on the market
- IP44 rated
- No external enclosure box required
- Cost effective installation
- Available with comms port for Wi-Fi connection

<b>Output Voltage (VAC)</b>	380	400	410	200	220	230	240	219	379
<b>Rated Output Power</b>	1.5kW			0.8kW				1.5kW	
<b>Max PV VOC Input</b>	850VDC			650VDC					
<b>Min PV Start Up VOC (VDC)</b>	>537	>565	>580	>285	>310	>325	>339	>180	>300
<b>Recommended PV VMP (VDC)</b>	530	565	580	280	310	325	340	310	530
<b>Frequency Range</b>	5-65Hz (Programmable)								
<b>Ambient Temp Range</b>	0 - 40°C								
<b>Protection</b>	Overload, Short Circuit, Over Temperature, Under Voltage, Over Voltage, Surge Protection								
<b>Dimensions (H x W x D)</b>	285 x 240 x 120mm								
<b>Warranty</b>	1 year								