

# HI-POWERMAXX2 (DMS-364-1)



## OVERVIEW

Hi-PowerMaxx2 is specifically designed for pump applications. It can run 2 x V4 or V6 (not simultaneously) groundwater pumps without mains power for up to 100 days depending on the number of cycles/day and is virtually inaudible. 1 or 2 pumps are directly fed through the Hi-PowerMaxx2. If a power failure occurs, the pump/s automatically draw power from the Hi-PowerMaxx2 which will have been fully charged during normal operation.

The Hi-PowerMaxx2 will automatically recharge when mains power returns. Installation is simple, The Hi-PowerMaxx2 is free standing and can be installed in any **dry ventilated area**. As this unit is fitted in the power line, no additional electrical spurs are required and this offers tamper-proof installation. The Hi-PowerMaxx2 is part of the MaxxConnect family and can operate as a stand alone unit or can be used in conjunction with an AlertMaxx2 or Rego1. It can also be used as a direct replacement for previous versions.



## TECHNICAL SPECS.

Size (without cable glands)	475mm x D: 425mm x H: 300mm
Weight (with batteries installed)	80kg
Mains supply	200-250V AC (50Hz)
Internal battery	24V - 5x22Ah VRLA. Total=110Ah
Power (standby)	<3W
Power (charging)	75W
Peak Power Handling	2000W P1
Dynamic Polling (approx.)	10, 20, 40, 80, 120, 180 seconds
Visual display	2 x 7 segment
Operating temperature	5-35°C
Relative Humidity	<80%
Feeds	1 or 2 (13A non-switched)
Devices	1 or 2 (cannot provide together)

\*DyPol stands for Dynamic Polling, this features enables the Hi-PowerMaxx2 to achieve extended backup times, by dynamically requesting if the equipment requires backup power and alternating between a state of hibernation, request and supply.

## FEATURES

- Industry-leading backup power curve due to 'DyPol'\*.
- Dynamic Polling (DyPol) feature only provides power when it's required.
- Virtually inaudible and offers tamper-proof installation.
- Digital display to show status and comprehensive fault codes.
- Compact quick charger to top up the battery from empty in just 25 hours.
- An internal non-volatile log that captures and records critical events.
- Configuration process to aid in installation and ensure the Hi-PowerMaxx2 is set up correctly.
- User menu to show operational statistics, reset battery service interval and other fault finding aids.
- Can be remotely interrogated when wired to a Wi-Fi connected AlertMaxx2 monitoring device.

## GUARANTEE

Hi-PowerMaxx2 is offered with a 24 month component guarantee. This guarantee covers any defects in workmanship, construction or material. This guarantee does not cover, defects caused by incorrect installation, installer error, abnormal working conditions, misuse or neglect.

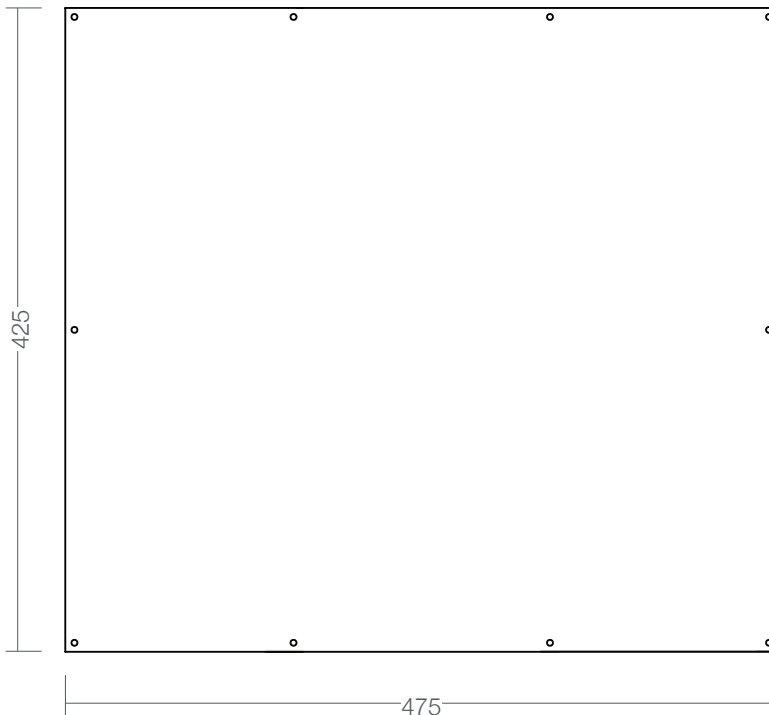
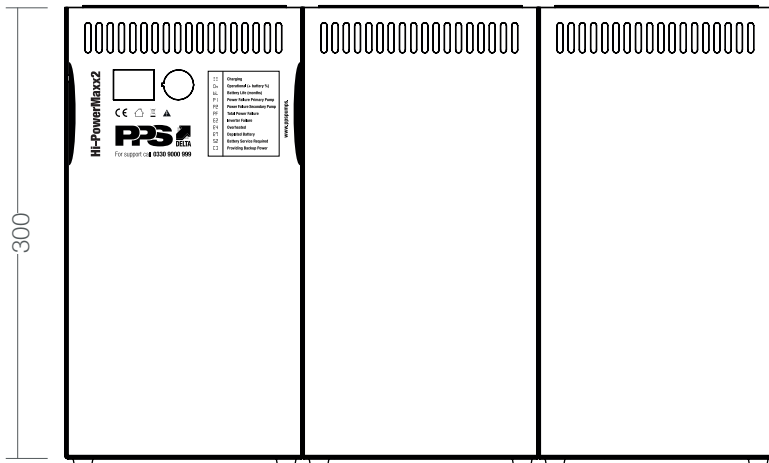


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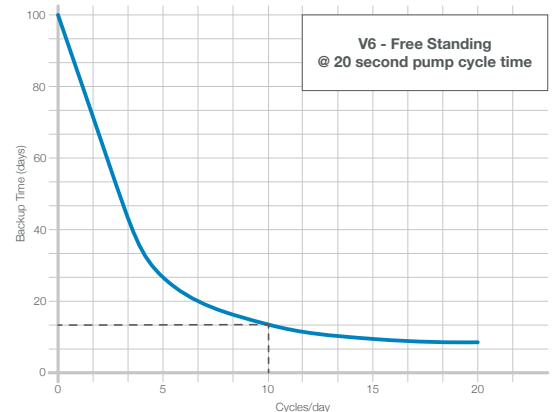
## TECHNICAL DRAWINGS (MM)



## HEALTH & SAFETY

In order to minimise the risk of ill health or accidents when installing and/or servicing pump chambers and associated accessories, workers must be fully trained and competent. The following guidelines will help safeguard matters:

- Assessing the risk and working in accordance with the control measures identified.
- Ensure electrical power to the equipment is isolated before carrying out installation or maintenance.
- A suitable first aid kit must be close to hand.
- The electrical installation must comply with the requirements of BS 7671:2008 'Requirements for Electrical Installations' incorporating amendment 3:2015.



Mean average cycles/day = 10. Sample taken from 120 remote monitored ground water pump stations.