POWERMAXX2

OVERVIEW

The PowerMaxx2 is a battery back up unit specifically designed for pump applications to ensure they can still operate should there be a power outage.

- It can run 2 x V3 ground water pumps (not simultaneously) without mains power for up to 15 days depending on the number of cycles per day.
- 1 or 2 pumps are directly fed through the PowerMaxx2.
- If a power failure occurs, the duty pump will draw power from the PowerMaxx2 which will have been fully charged during normal operation.
- The unit will automatically recharge when mains power returns and incorporates a compact quick charger to top up the battery from empty in just 5 hours.
- Dynamic Polling (DyPol) enables the 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.
- The digital display shows status and comprehensive fault codes, whilst the internal log captures and records critical events.
- The user menu function allows you to locally reset the battery life indicator.
- The PowerMaxx2 can operate as a stand alone unit or can be used in conjunction with an AlertMaxx2.
- Data can be remotely accessed when wired to a Wi-Fi connected AlertMaxx2.

WARRANTY

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.

TECHNICAL DATA

Product Code	PMX2
Size (without cable glands)	155mm x 425mm x 300mm
Weight (without battery installed)	6kg
Weight (with battery installed)	19kg
Mains supply	200-250V AC (50Hz)
Internal battery	24V - 1x22Ah
Power (standby)	<3W
Power (charging)	75W
Inverter	600W P1
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 pumps (cannot provide together)

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

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 7671:2018 ‘Requirements for Electrical Installations’ incorporating the latest amendments.

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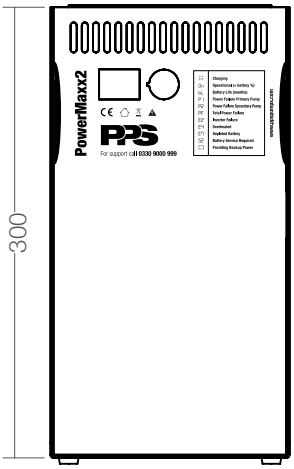
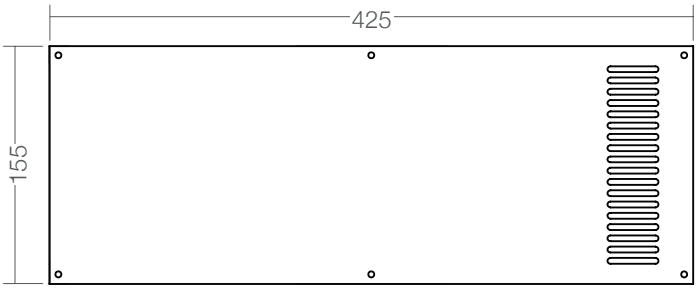
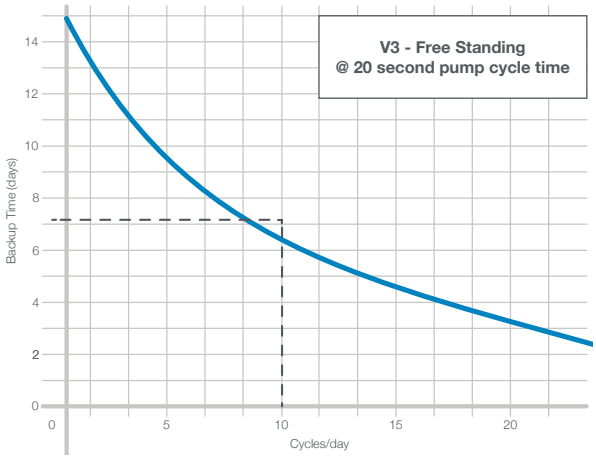
POWERMAXX2

TECHNICAL DRAWINGS (MM)







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

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