DELTA MEMBRANES

BATTERY BACKUPS

INNOVATION | MANUFACTURER | DESIGN | SOLUTION

www.deltamembranes.com

Keeping Your Basement Dry with Continuous Power Supply

When waterproofing a below ground structure with a Type C cavity membrane system, a suitable basement drainage system is also required to safely remove ground water ingress which percolates the structure.

This drainage system is made up of four key components - a submersible pump, often referred to as a sump pump, basement drainage channels/modular drainage system, high level water alarm(s) and battery backup(s), larger projects may also require a control panel.

A sump pump (submersible pump) solution will require mains power to operate. No matter which types of sump pump system you have installed, it may at some point fail because of a power outage.

Our extensive range of battery back-ups offer unrivalled technology and will keep sump pumps working in the event of power failure. The number of pump systems required for each project will (in part) depend on the overall basement size, perimeter, and the method of drainage – Delta Channel, Modular or a combination of both. External surface water from light-wells, courtyards and terraces may be drained into the ground water sump, providing the area of external surface water collection does not exceed 12m² to each sump – if the external area is greater, advice should be sought from the Delta Technical Team.

Both perimeter drainage channels and modular drainage will efficiently disperse any water ingress which percolates the structure to a sump chamber. The sump chamber will collect and manage any water ingress which is collected in the cavity drainage system and then safely evacuate this to a suitable discharge point. This is referred to as a sump pump system. A sump pump system protects a property against flooding.

For each sump system, the recommendation is for two pumps in case of failure of the duty pump. In the event of failure of the duty pump, the secondary back up pump will take over, therefore significantly reducing the risk of potential flooding.

In addition, a minimum industry standard would be to include a high-water level alarm such as the Delta AlertMaxx2 EC or HLA and power back up system such as Delta PowerMaxx2, Hi-PowerMaxx2 or Hi-PowerMaxx2 XL in case of mains power failure. Reducing the risk of potential flooding to a basement.

Battery Backup systems are an integral part of the whole Type C, Cavity Drain Waterproofing System and a second line of defence for the basement drainage system.

PowerMaxx2

The PowerMaxx2 Battery Backup provides abundant battery backup power, so your sump pump system can continue working through short and medium length power outages. Safeguarding your sump pump equipment ensuring your basement remains dry.

With the rest of its features, the PowerMaxx2 is the perfect unit to protect your property from the constant threat of bad power and flooding. If a power failure occurs, PowerMaxx2 Battery Backup will automatically keep sump pumps running during power failure.

The PowerMaxx2 will provide power to one or two V3 pumps if power failure occurs. Simple to use and easy to install – the PowerMaxx2's digital display clearly shows status and comprehensive fault codes. Once mains power is restored the PowerMaxx2 will fully recharge automatically.

- Capable of running both primary and secondary pumps
- Capable of running 1 x V3 ground water pump without mains power for up to 15 days (depending on number of cycles/hr)
- Dynamic Polling (DyPol) feature only provides power when its required
- Industry leading backup power curve due to 'DyPol'
- Compact quick charger to top up the battery from empty in just 5 hours
- An internal non-volatile log that captures and records critical events
- Digital display to show status and comprehensive fault codes.
- Virtually inaudible and offers tamper-proof installation
- Operates as a standby unit or can be used in conjunction with AlertMaxx2 EC or Rego1.

Hi-PowerMaxx2

The Delta Hi-PowerMaxx2 Battery backup is specifically designed for Sump Pumps (submersible pumps) for uninterruptible Power Supply in the event of mains power failure.

The Delta Hi-PowerMaxx2 battery backup system will keep the pumps running in the event of loss of mains power, this allows the sump pumps to continue to safely discharge water from a basement even during a power cut.

The Delta Hi-PowerMaxx2 battery backup is specifically designed to run one or two V4, V6, Foul and Bespoke V3 basement pumps without mains power (not simultaneously). The Hi-PowerMaxx2 will automatically recharge when mains power returns.

- Specifically designed for sump pump/below ground applications
- Capable of running both primary and secondary pumps
- The Hi-PowerMaxx2 will automatically recharge when mains power returns
- The Hi-PowerMaxx2 is free standing and can be installed in any dry ventilated area
- No additional electrical spurs required, offering a tamper-proof installation
- The Hi-PowerMaxx2 is part of the MaxxConnect family and can operate as a standalone unit or can be used in conjunction with an AlertMaxx2 or Rego1
- The Hi-PowerMaxx2 can be used as a direct replacement for previous versions
- Industry-leading backup power curve due to 'DyPol'
- An internal non-volatile log that captures and records critical events.

Hi-PowerMaxx2 XL

Hi-PowerMaxx2 XL is specifically designed for sump pump application. The unit provides unequalled protection to the Delta Foul D10 pump in the event of power outage.

If a power failure occurs, the D10 pump will automatically take power from the Hi-PowerMaxx2 XL which will have been fully charged during mains operation. The Hi-PowerMaxx2 XL will automatically recharge when mains power returns.

The Hi-PowerMaxx2 XL is part of the MaxxConnect family and can operate as a standalone unit or can be used in conjunction with the AlertMaxx2 EC or Rego1.

- The Hi-PowerMaxx2 XL will automatically recharge when mains power returns
- The Hi-PowerMaxx2 XL is free standing and can be installed in any dry ventilated area
- No additional electrical spurs required, offering a tamper-proof installation
- The Hi-PowerMaxx2 is free standing and can be installed in any dry ventilated area
- No additional electrical spurs required, offering a tamper-proof installation
- The Hi-PowerMaxx2 is part of the MaxxConnect family and can operate as a standalone unit or can be used in conjunction with an AlertMaxx2 or Rego1
- The Hi-PowerMaxx2 can be used as a direct replacement for previous versions
- Industry-leading backup power curve due to 'DyPol'
- An internal non-volatile log that captures and records critical events
- Dynamic Polling (DyPol) feature only provides power when its required.

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