



# Squeezing the data to help you make the best battery management decisions

The PowerShield Reporting Service gives you freshly squeezed data, so you can spot the lemons while ensuring you are doing everything to maximize battery life.

# Every month we analyze and interpret your battery data.



## How does the Reporting Service work?

- The PowerShield system monitoring your standby batteries is continuously measuring and storing data - for the lifetime of the batteries.
- At the end of each day the PowerShield system sends your battery data to our secured server and we replicate your database. We don't access your network so the integrity of your system security is maintained.
- Every month we analyze and interpret your battery data and a PowerShield battery expert prepares a report on the overall condition of your batteries and recommends actions for you to take.
- The actions you take will correct any small problems before they escalate, meaning your batteries will be available when you need them.
- Your service partners or staff can act with confidence and apply themselves to other important tasks, instead of worrying about battery health.

## What does the report tell you?

Trend analysis will identify potential battery failures and help you to identify and manage battery end-of-life.

Depending on the configuration of your PowerShield Battery Management System the report will give you a visual summary for your batteries, highlighting the overall status and any exceptions in:

- Ambient temperature
- Float voltage
- String current
- Individual battery temperature
- Individual battery impedance (ohmic value)
- Individual battery voltage

All discharges are reported, issues recorded and recommended maintenance actions are listed.

Between reports the PowerShield Battery Management System will continue to notify you directly of any alarms where immediate onsite action is needed.

## About PowerShield

PowerShield specialises in the design, manufacture, installation and operation of advanced battery monitoring systems for organisations with critical services that rely on continuous power. We provide the most advanced and most cost-effective tools for monitoring and managing stand-by battery banks. Continuous data sampling, reporting and battery management capability from PowerShield delivers reduced costs, peace of mind that you have batteries that perform when needed, and you are maximising the life of your batteries.



### PowerShield Limited

**New Zealand (Head office)**  
+64 9 913 7576  
12 Target Court,  
Auckland 0627  
sales@powershield.com

**UK**  
+44 190 869 8977  
208 Foxhunter Drive,  
Linford Wood, Milton Keynes  
Buckinghamshire MK14 6GD

**Europe**  
+31 184 700265  
Hoogstraat 36  
2965 AL Nieuwpoort  
Netherlands

**North America**  
1800 456 5928  
**Australia**  
1800 959 855

**Asia**  
+64 9 913 7576  
**India**  
+91 998 605 5744