PQube® AC/DC Power Monitor

Embedded power quality and energy/carbon monitoring

DC Data Centers – simultaneous DC and AC power quality and energy monitoring

Price, size, and high-voltage DC monitoring have always been major barriers to power monitoring projects at data centers.

PSL's new PQube breaks through all these barriers. The PQube gives you lab-grade accuracy, power quality monitoring based on the latest world-wide standards, energy trends and statistics generated automatically with no software, and stand-alone or network compatibility - all in a tiny, low-cost package that monitors AC and DC simultaneously.

Why worry about power quality events?

- Demonstrate and document improvements: disturbances on AC grid, no disturbances on DC grid.
- Unexpected intermittent equipment failures in data centers are expensive, and difficult to diagnose.
- Quickly attribute (or rule out) power quality as the cause of failures. Pays for a PQube in one or two avoided service calls.
- If the problem is power quality, is it caused by the electrical supply from your utility, or problems within your data center? You need the PQube to find out.

Why monitor energy usage?

- To save energy, first you must monitor it.
- Know the load distribution within your data center. Get daily, weekly, and monthly energy consumption trends, and receive this information in a consistent and easy-to-understand format.
- Determine if you can operate more servers without having to increase your electrical system.
- Avoid peak charges from your utility: smooth out energy usage and reduce consumption during peak cost periods.

What makes the PQube so different?

- Monitors both AC and DC.
  - AC: Direct UL-recognized connection to 480Vac (690Vac L-L), 3-phase delta, wye, or single-phase.
  - DC: +/-60Vdc, +/-300Vdc, +/-600Vdc, +/-1200Vdc ranges.
  - 15 kHz sampling, cross-triggered with AC disturbances. 1-microsecond impulse detection.
  - AC and DC waveforms, daily/weekly/monthly min/avg/max trends, statistics.
- Local and remote humidity and temperature monitoring.
- By far the most user-friendly monitor on the market – even does your carbon calculations for you.
- Tiny - smallest full-featured monitor ever. Perfect for embedding in server racks and electric panels.
- Low cost – payback time typically measured in weeks.
- Accurate – lab-grade accuracy means you don't miss any power quality events. Get energy data accurate enough to reliably measure improvements.
- No software required - no learning curve, no up-front expense, no upgrades, no Windows issues, no annual licensing costs.
- Easy to understand – pictures and spreadsheet files are generated straight from your PQube.
- Works with or without a network. Pop out the PQube's SD card, or have the PQube send you emails, or access data via PQube's built-in web server and FTP server.

PQube – it's worth a closer look!

www.powerstandards.com

PQube
Go Green. Know your power.

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