iPQMS

Utility/UPS – iPQMS

(Max. 448 cells Battery Monitoring)

iPQMS is designed to monitor and analyze the aging status of up to (448) cells by measuring and recording:

- **STRING:** Voltage & Current
- **JAR / CELL:** Voltage, Internal Resistance, Connection Resistance & Temperature

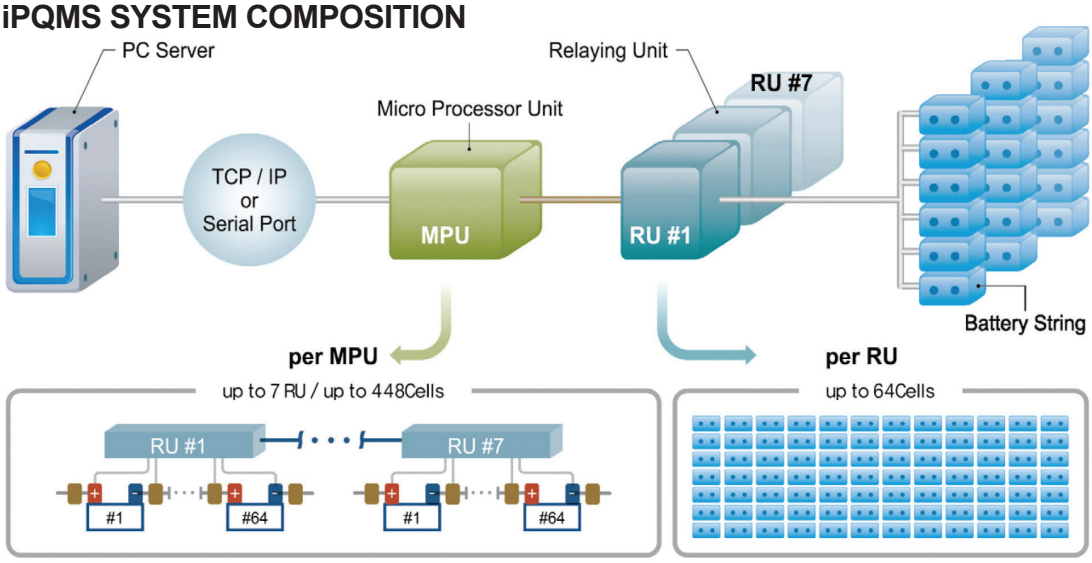
iPQMS INSTALLATION

iPQMS solutions come complete with a battery management software package which allows ALL battery systems to be monitored 24 hours a day, 365 days a year via a remote computer(s). This software offers the most comprehensive battery diagnosis and reporting capabilities to ensure the integrity of your critical battery backup.

ADVANTAGES

- Utilizes patented technology to identify & alarm the user of early signs of battery deterioration to ensure the integrity of your critical back-up batteries.
- Adopting the world's first ripple-removing algorithm, USA patent: US 7,567,085B2, the system precisely measures battery health while the system is on-line.
- With flexible expanding solutions, iPQMS can monitor ALL your systems in real time.
- Complete with battery management software to allow monitoring 24 hours a day, 365 days a year via a remote computer(s).
- In the event a voltage sag, power failure or alarm occurs, the event is transmitted to the administrator via SMS through a remote communication device.
- Software package allows for the most comprehensive battery system diagnosis and reporting capabilities.
- iPQMS meets all IEEE standard recommendations for battery monitoring.

iPQMS SYSTEM COMPOSITION



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To Order Call
1-877-805-3377
Toll Free

iPQMS SPECIFICATIONS

Measuring Range	• Battery Capacity Range: 5ah ~ 6,000 ah • Battery Type: VRLA AGM/GEL, Flooded Lead-Acid, Nickel-Cadmium and Others • Battery Voltage: 1.0V~16V • Measuring Range: AC Voltage/Current: 0~600V/999.9A (Current Transformer) • DC Voltage/Current Measuring: ~ 999.9V, ~ 999.9A
Measurment Accuracy	• DC Voltage/Current: ±0.5%/ ±1% • Temperature: ±2% • Internal Resistance: ±2% • Cell Voltage: ±1%
Resolution	• DC Voltage/Current: 0.1V/0.1A • AC Voltage/Current: 0.1V/0.1A • Cell Voltage: 10^{mV} • Internal resistance: 0.001 mΩ • Temperature: 0.5º F
Measuring Speed	3~4 sec/per cell
Measuring Interval	5 minutes ~ 1 day (Adjustable)
Data Transfer	RS232, RS422, RS485, TCP/IP, SMS with server(optional service)
Other Available Function	• Auto Scaling function • Exclusion of ripple voltage in floating charge • Measuring channel number selection
User Programmable Functions	Over/Under alarm setting: Voltage, current and internal resistance Year/date/time setting, Display menu
Environmental Operating Range	Temperature : 32º F~122º F Humidity : under 80% RH

ORDERING INFORMATION

No.	Part #	Description
1	iPQMS-C64	Battery Monitoring Solutions For 0-150 VDC Systems Using 1.2v-12V Batteries
2	iPQMS-C128	Battery Monitoring Solutions For 0-300 VDC Systems Using 1.2v-12V Batteries
3	iPQMS-C192	Battery Monitoring Solutions For 0-450 VDC Systems Using 1.2v-12V Batteries
4	iPQMS-C256	Battery Monitoring Solutions For 0-600 VDC Systems Using 1.2v-12V Batteries

Notes: All systems come standard with assembled, site specific length cables and Centroid software. Other sizes available upon request