

iBMU

Integrated

BATTERY MONITORING UNIT

01

APPLICATIONS: The iBMU is the central hub of the Cellwatch Battery Monitoring system, ideal for applications that require:

- A hub to manage all Cellwatch monitoring components
- Seamless integration of data and communication for large systems
- Remote access and control in distributed or unmanned facilities

02

KEY FEATURES:

- Main processing hub for the Cellwatch system
- Includes HDMI and DisplayPort outputs for local display
- Supports Remote Desktop and KVM for remote management
- Ships with Cellwatch software license pre-activated
- Provides multiple communications ports, including Ethernet and RS-485 (with support for Modbus and SNMP protocols)
- 2U rack-mount form factor with optional wall-mount kit

03

WHAT SETS THE iBMU APART?

- Acts as the central hub, bringing all Cellwatch modules into one system
- Ships fully licensed and ready for deployment
- Provides both local and remote management options
- Offers versatile installation options for rack or wall mounting

<https://parametersystems.com>

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V01.01

04 CENTRALIZED CONTROL AND CONNECTIVITY: The iBMU brings every Cellwatch module together into one central hub. With built-in remote access, multiple communication interfaces, and ready-to-go licensing, it delivers complete oversight from a single point of control.



05 iBMU: Integrated Battery Monitoring Unit

Product Codes

701044	iBMU with Cellwatch
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06 Technical Specifications

Operating Specifications	
Ambient operating temperature	0 - 40 °C
Maximum relative humidity	20 - 90% non-condensing
Power Supply	
Input voltage	110 - 240 VAC
Frequency	50 - 60 Hz
Power rating	200 W
Backup power	Must be supplied by UPS
Communications & Interfaces	
RS-485 port	1
Ethernet port	1
USB ports	6
Video outputs	1 HDMI; 1 DisplayPort
Remote access	Remote Desktop and KVM supported

06

Technical Specifications

Included Accessories

Ethernet	Ethernet Crossover cable
Wall-mount hardware	Included
Rack-mount kit	Optional
Software License	Cellwatch software license activated at shipment

Physical Characteristics

Form factor	1U rack-mount case
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