

ENERGYMASTER™ SUPERVISION MODULE FOR BATTERIES



IPLU-2801BM

Intelligent and compact battery monitoring device that provides comprehensive information on the battery condition, optimizing site visits and maintenance costs related to battery backup.

KEY FEATURES

- Lower maintenance costs related to battery backup
- Higher availability thanks to remote monitoring and control of the battery backup
- 24 battery cell voltage input ports to monitor the battery cell and one input port to monitor the charging/ discharging current
- Self-calibration functionality
- Battery surface temperature measurement.

Description

Connected to one of Vertiv™'s site controllers, the supervision module for batteries (IPLU-2801BM) provides detailed information and alarms for the battery backup condition at the telecom site. Based on this information, site visits and maintenance related to the battery backup can be optimized to save both time and money, especially for sites located remotely.

The IPLU-2801BM is designed for measuring cell/block voltages, battery current and battery temperature and is used together with the eStone II site controller to enable intelligent data acquisition. The battery monitoring supervision module has a compact design and can be installed in small spaces.

The information and alarms for the batteries on a specific site can be monitored or checked by means of a simple web browser or specific management software.

No additional software is needed, and login to monitor the site is password protected.

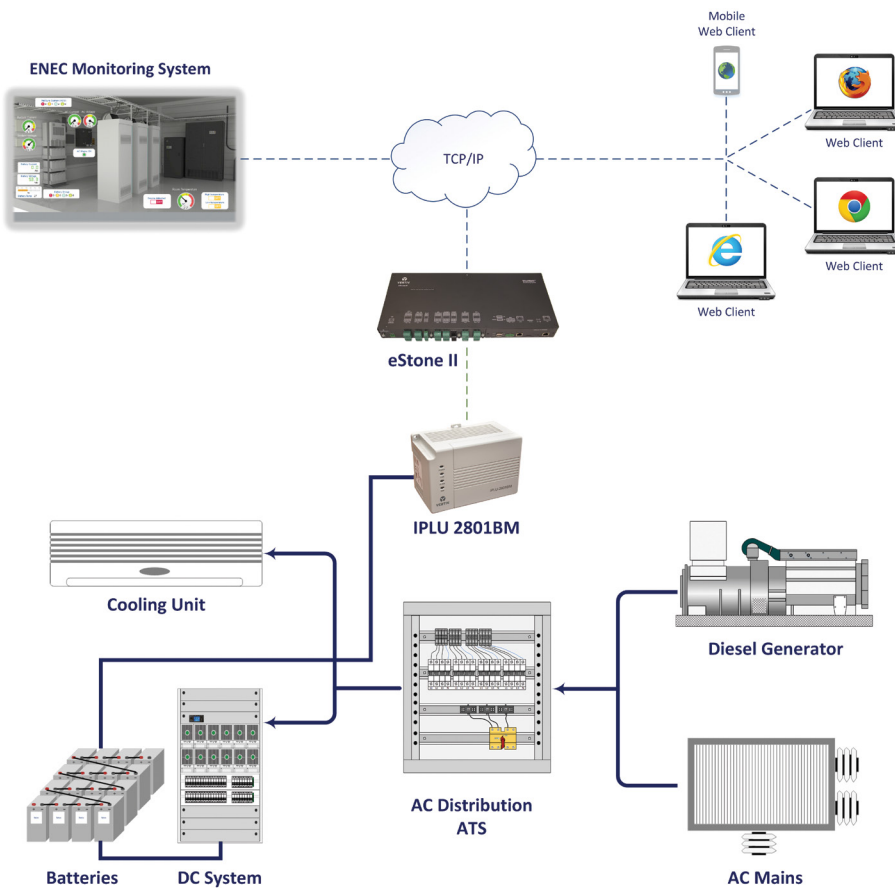


Technical Specifications

GENERAL	
Power Supply	20 VDC to -60 VDC
Power Consumption	5 W
Temperature Range, Operating	-10 °C to +50 °C
Humidity, Relative	5% to 95%, non-condensing
EMC	CISPR 22, Class A, CISPR22, ETSI EN 300 386, Class A
Certifications	Compliant with GB4943, EN60950 and UL60950; CE certified and UL certified

MECHANICAL DATA	
Dimensions	135 x 90 x 75 mm (H x W x D)
Standard Installation Methods	DIN rail mountable; wall mounted
Weight	≤ 1 kg

INPUT/OUTPUTS	
External Communication	RS232 / RS485
INPUTS	
24 Analog Inputs	2 V/6 V/12 V < 0.2 FS% for battery cell voltages
1 Analog Input	4 mA to 20 mA current signal for the battery total current measurement
1 Analog Input	8 V to 60 V, total voltage signal
2 Temperature Inputs	-25 °C to +75 °C , temperature channel inputs



TERMINOLOGY

eStone II

Standalone site controller

IPLU-2801BM

Battery supervision module

ENEC

Multi-user, distributed multi-language web based software for monitoring of critical infrastructure equipment.