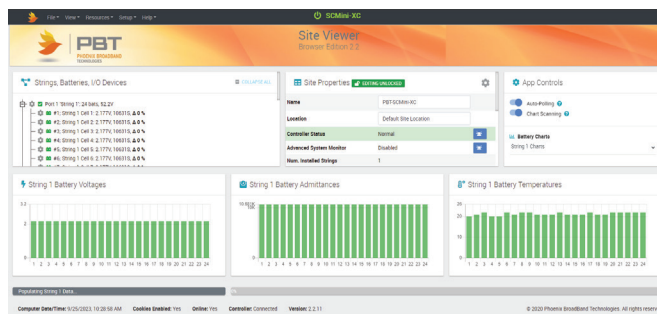


Monitored parameters include:

- Local line voltage
- Controller internal temperature
- Battery voltage, temperature, impedance (admittance)
- Two built-in digital contact closure inputs
- Two built-in relay contact outputs
- USB-C programming connector
- Internal logging of all measurements and states
- Battery electrolyte level (optional sensor)
- String float charging current (optional sensor)
- String discharge current (optional sensor)
- AC current (optional sensor)
- Moisture detection (optional sensor)
- Thermal runaway detection/control (optional sensor)
- Ground fault detection (optional sensor)



The built-in web server allows the status of the monitored batteries to be analyzed from anywhere in the network using a common web browser. The built-in SMTP mail client can be set up to send alarm messages to user-specified email addresses or text message when an alarm occurs. A rules-based system allows combinations of states/conditions to set relay contact outputs.

The **PBT-BMS-SCMini-XC**, battery sensors, and all expansion modules are firmware downloadable over the network, facilitating firmware upgrades and feature enhancements as they become available.

General Specifications

Analog Readings	
Utility AC voltage	0 to 140VAC; true RMS, requires optional module
Battery string voltage	0 to 60 VDC
Individual battery measurements	up to 60 batteries (30 per input), see datasheet for battery sensor type PBT-PA-BSxx: Voltage, Admittance ("Ohmics"), Temperature
Mini-controller internal temperature	(tracks ambient temperature)
Charger float current	Requires optional equipment
DC load current:	Requires optional equipment
AC load current	Requires optional equipment
Ground fault detection	Requires optional equipment
Moisture	Requires optional equipment
Digital Status Indications/Control	Two general purpose digital status inputs, Two relay contact outputs
Options	Rack bracket; "wall-wart" power pack, cable kits. RIM, ROM, current sensors

Power	
DC input power:	9-60 VDC; 5 watts max