

BMX - Battery Multiplexer™

Plug-and-Play Functionality for Charging Multiple Battery Technologies

Overview

Ideally suited for deployment in wireless telecom enclosures and racks, the BMX provides plug-and-play capability in a lightweight, 1U module, enabling up to four strings of batteries to be connected to the DC buss in legacy or new DC power systems.

Optimized for use with energy-dense, Telecel® lithium ferrous phosphate batteries, BMX is however not specific to any one technology and can therefore be used to combine multiple battery technologies in the same DC power system. Separate 24-volt and 48-volt models are available to suit the DC system requirements.



Installation

- ❖ Initial installation is quick and easy for new systems and technology upgrades. For instance, using the BMX to replace lead-acid batteries with Telecel is a simple seven-step process that does not take the facility off-air.
- ❖ Where the BMX is already in use, battery replacement is even quicker. Simply unplug old batteries and plug in the new. There is no need for cabling re-work or changing connections on the buss.
- ❖ The BMX series uses only genuine, UL-rated Anderson Power Pole connectors and UL-rated superflex cable.

User Interface

- ❖ Information displayed:
 - Software version, Battery voltage, Number of strings, Battery capacity, System voltage, Charge status, Charge current, Discharge current, Battery temperature, Counters, Faults, Errors
- ❖ Counters:
 - Charges, All-ups, Discharges, Charge-time limiter, Time on discharge, Time-outs, Resets

Size and Weight	
Height	1U = 1.75 inches (44.5 mm)
Width	17.0 inches (432 mm)
Additional clearances	2.0 inches (51 mm)
Depth	8.00 inches (203 mm)
Depth (with front connectors)	8.93 inches (227 mm)
Additional front clearance	For power connections and cabling: 3.57 inches (91 mm)
Weight	6.0 pounds (2.7 kg)

Environmental	
Operating temperature range	-40° to +65°C (-40° to +149°F)
Relative humidity	5% to 95%

Electrical	
Voltage	24 or 48 volts DC
Maximum Power	4,700 watts
Maximum Current	80 amps
Circuit protection	100 amp breaker

Connectors	
Battery Channels	(4) Anderson Power Pole SBS75X
DC Buss	(1) Anderson Power Pole SB175

Specifications are subject to change without notice

