

Circuit Breakers – Small Plug-In Style

This power system is designed with the integrated load circuit-breaker distribution bay. Users can quickly establish circuit status using the front access visual indicator; a part of the red colored rocker-switch case. These plug-in circuit breakers are field changeable and available in a variety of current ratings.

The battery circuit breaker, integrated for maintenance disconnect convenience, is located on the front next to the load distribution. The circuit breaker separates the battery connection from the main rectifier and load bus when open. The battery circuit breaker operates independently from the low voltage disconnect (LVD) that is part of the same battery protection circuitry in this system.



Availability:

48V power system – MTS48/30BL-1U-V16A (one battery, four load positions)

Ratings: 1 battery & 4 load positions for plug-in circuit-breaker sized to 5, 10, 15, 20, 30 amp

The output terminal strip, for secured screw connections, is located on the system backplane. Form-C Alarms and Temperature Probe connections are available as well. The ambient temperature probe ships as a standard part with the system kit.



Alarms and temperature probe connections are made with screw-less spring capture terminals. Alarms and temperature probe connections are made with screw-less spring capture terminals. Note that the temperature probe **SOLID-COLOR** wire should be placed in the POSITIVE marked position and the color-with-stripe wire will be placed in the negative marked position

Each rectifier connection source should be engineered to provide 10A current at 120VAC. Care should be taken to confirm the electrical service for the application is appropriately sized. Only attach the line cord sets, supplied in the kit, to the properly rated NEMA 5-15R receptacles.



The pre-engineered cable is a NEMA5-15P to IEC320-C13 (right angle) with a length of 6 feet end-to-end. First insert the IEC connector into the back of the system. Lace the cable along the rack to the appropriate NEMA receptacle and AC input source.