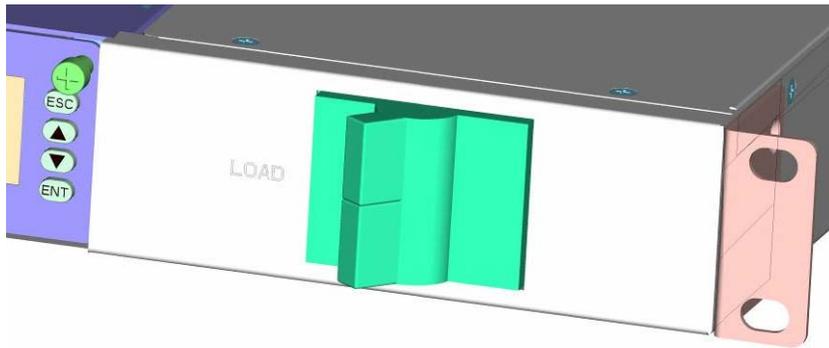


Two (2) Pole Disconnect Circuit Breaker in Majortel 130 VDC system



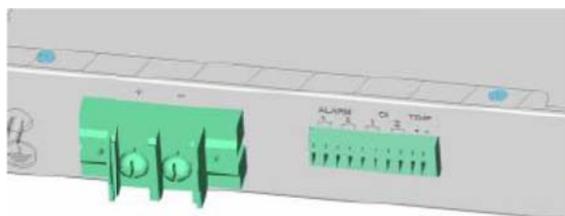
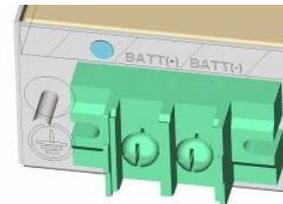
This power system is designed with the integrated output circuit-breaker 2-Pole interrupt, front access operation. The two pole power block for secured screw connections is located on the system backside. The circuit breaker separates both the positive and negative circuits between the system output

connection and rectifier bus. Due to various applications, the circuit breaker is labeled “load” to indicate any output load in respect to the power system whether a common bus, active loads or battery load combination system.

Available in 130V power systems: MTS130/20AT-1U or MTS130/20AT-1U

Ratings: Factory installed, non-changeable, 2-pole 25 amp

The output terminal, consisting of secured screw connections, is located on the system backplane. The larger block is provided to support a ring terminal or single-hole lug landing for connection with load bus or battery.



Alarms and temperature probe connections are made with screw-less spring capture terminals. Use a small gauge flat-blade screwdriver in the top portal to lever the spring open, once open insert the stripped alarm wire in the lower access point, on the alarm terminal strip. 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 slot is internally connected to a single source entry point, with a screw terminal appropriate to land bare solid copper wire. The source AC circuit should be engineered to provide 15A current at 203 VAC of either 50/60 Hz.

System	# of Circuits	Rectifier	Rating	Wire
MTS130/20AT-1U	1	MTR130/10-1U	30A @ 120VAC	10 (THHN, RHH)
		QTY = 1-2	15A @ 230VAC	12 (THHN, RHH)

Care should be taken to confirm the electrical service for the application is appropriately sized.

Single AC Entry:

1. Remove the AC protection cover plate.
2. Loosen the input terminal screws. L=Line, N(L2)=Neutral or Line 2, G= Ground/Earth
3. Strip 8mm of wire insulation from the end of each wire.
4. J-hook any solid copper wire around the terminal screws, or crimp a ring terminal on stranded wire and secure the terminal screws until hand tight.
5. Open the mechanical security handles on the rectifiers. Insert rectifiers into available slots and press firmly to ensure they are seated. Tighten the retaining screws on the top of each rectifier module's handles.
6. Switch the AC Mains input breaker to the ON position. The rectifiers will start in 5-8 seconds. (soft start)
7. After verification of soft start and system operation, turn off the AC mains breaker before proceeding to the output connection installation.

