

# Majortel™ DC Power System

## MTS48/50AT-2U



- » Complete System Design
- » Extended Temperature Operations; Up to 75°C
- » Programmable Alarms on Dry-Contacts
- » Integrated Remote Communication Package
- » Easy, Manageable Monitor Screen
- » Quick Check LED Indication

The Majortel 2U System is a fully integrated, compact design that is ideal for applications requiring dc power and distribution. Each system is designed to occupy a true 2U (3.5" tall) rack space in a standard 19" wide rack and under 11.5" deep. Typical installations include two compact, high density and reliable switch-mode rectifiers, 25 amps each for a total system capacity configuration of 2900W (50A).

The MTS48/50AT-2U includes a dual load and battery breaker set-up for a bulk feed configuration and four additional field configurable load breaker positions.

# MTS48/50AT-2U

## Base Model/Parameter

DC Output Range	42-58 VDC
Max System Output Current (@ Full Load)	50 Amps; 2900W
Switch-Mode Rectifier(s)	2
DC Circuit Breakers	1-Batt; 2-Load; 100A Each
Type of System Chassis	2U; Rackmount 19"
System Chassis	19" W x 11.08" D x 3.5" H 482.6mm x 281.5mm x 88.1mm
Weight-Chassis Only	22lbs.; 10kg
Weight-Max with Rectifiers	27.8 lbs.; 12.6kg
Controller	MTS-Com with Communication Interface
Low Voltage Disconnect	Integrated; Battery
AC Connection Type	(2) 3 Wire Terminals
Rectifier	MTR48/25-1U

## RECTIFIER:

Parameter	MTR48/25-1U
AC Input Voltage-Standard	208/240 VAC
AC Input Voltage- Full Range	90-290 VAC; No De-rating
AC Input Frequency- Range	45-65 Hz
Power Factor	>0.99
THD	<5%
Efficiency	92%
AC Rated Current (Full Load)	6.7 Amps
AC Inrush Current	Does not exceed 150% of the rated input steady state peak value.
Soft Start Time	< 8 Sec
DC Output Range- Adjustable	42-58
DC Rated Output	1450Watts@ 58V (25A)
Overload Protection; Current Limit	105%
Over Voltage Protection	59 V
Ripple	<200 mV Peak to Peak; 70mV RMS
Regulation Accuracy	+/- 0.5%
Load Sharing	Automatic +/- 5%
Front Panel Indicators	3 LED Status
MTBF	>253,000 Hr.
Weight-Single Rectifier	2.9 lbs.; 1.3kg
Dimensions	4.25"W x 9.13"D x 1.63"H 108mm x 232mm x 41.5mm