MTS48/50AT-1U

» Wide AC Range; Full Power with 120/208/240 VAC

» Extended Temperature Operations; Up to 75^0C

» Programmable Alarms on Dry-Contacts

» Integrated Remote Communication Package

» Easy, Manageable Monitor Screen

» Quick Check LED Indications

The Majortel 1U System is a sleek, compact design that is ideal for applications requiring dc power. Each system is designed to occupy a true 1U (1.75" tall) rack space in a standard 19" wide rack and under 11"deep. Typical installations include two compact, high density and reliable switch-mode rectifiers, 25 amps each for a total system capacity configuration of 2900W.

The MTS48/50AT-1U includes a simple load and battery breaker set-up for a bulk feed configuration.

Base Model/Parameter	MTS48/50AT-1U
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; 1-Load; 50A Each
Type of System Chassis	1U, Rackmount 19"
System Chassis	19" W x 10.38" D x 1.74" H 443mm x 263.7mm x 44.3mm
Weight-Chassis Only	13.2 lbs.; 6kg
Weight-Max with Rectifiers	20.2 lbs.; 9.2kg
Controller	MTS-Com with Communication Interface
Low Voltage Disconnect	Integrated; Battery
AC Connection Type	3 Wire Terminal
Rectifier	MTR48/25-1U

RECTIFIER:

Parameter	MTR48/25-1U
AC Input Voltage-Standard	120/208/240 VAC, 1Ø
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

MDS Power Inc.
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Specifications subject to change

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