

Majortel™ DC Power System

130 VDC Power



- » Wide AC Range; Full Power with 120/208/240 VAC
- » Extended Temperature Operations; Up to 75°C
- » Programmable Alarms on Dry-Contacts
- » Integrated Remote Communication Package
- » Easy, Manageable Monitor Screen

The Majortel 1U System is a sleek, compact design that is ideal for applications requiring stable 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. Installations could include one or two compact, high density and reliable switch-mode rectifiers at 10 amps each for a total system capacity output configuration of 2800W.

The integrated system includes a simple 2-pole output breaker configuration suitable for connections to an existing bus, individual load or battery.

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Base Model/Parameter	
DC Output Range	85-158 VDC
Max System Output Current (@ Full Load)	20 Amps; 2800W
Switch-Mode Rectifier(s)	1 for MTS130/10AT-1U 2 for MTS130/20AT-1U
DC Circuit Breakers	1-Output 25A rating; 2-pole
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
AC Connection Type	3 Wire Terminal (L,N,G or L,L,G)
Rectifier	MTR130/10-1U

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Parameter	MTR130/10-1U
AC Input Voltage-Standard	120/208/240 VAC; 1 \emptyset
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	100-150
DC Rated Output	1400Watts@ 140V (10A)
Overload Protection; Current Limit	105%
Over Voltage Protection	149 V
Ripple	<200 mV Peak to Peak; 70mV RMS
Regulation Accuracy	+/- 0.5%
Load Sharing	Automatic +/- 5%
Efficiency Performance	92%
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