

Majortel™ DC Power System

MTS48/30FL-1U



- » Wide AC Range; Full Power with 120 VAC
- » 1 Battery Breaker 30A; 10 GMT Fuse Slots (Load 1-15A)
- » Extended Temperature Operations; Up to 75°C
- » 2 Alarm Relays and 2 Digital Inputs
- » 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, each 15 amps for a total system capacity configuration of 1740W.

The MTS48/30FL-1U is designed with 10 GMT fuse slots and one 30A circuit breaker for battery connected applications. Installation is made simple with the convenience of standard NEMA line cord AC source connections.

MTS48/30FL-1U

Base Model/Parameter	
DC Output Range	42-58 VDC
Max System Output Current (@ Full Load)	30 Amps; 1740W
Switch-Mode Rectifier(s)	2
DC Circuit Breakers	Battery: 1 @30A Loads: User-Selectable (10 fuse positions)
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	IEC-320
Rectifier	MTR48/15-1U-v13A

RECTIFIER:

Parameter	MTR48/15-1U-v13A
AC Input Voltage-Standard	120/208/240 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	90%
AC Rated Current (Full Load)	10.5 Amps Max
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	870 Watts (15A)
Overload Protection; Current Limit	120%; 18A
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	>100,000 Hr.
Weight-Single Rectifier	2.2 lbs.; 1 kg
Dimensions	3.35"W x 9.13"D x 1.60"H 85mm x 224mm x 40.5mm