

## MajorTPS Telecom Rectifier

### Product Features

- **System Capacities**
  - 24 Volts DC - 50 Amps & 100 Amps
  - 48 Volts DC - 33, 50 and 100 Amps
- **Compact**
  - Only 2 RU, mounts in 19" or 23" rack
- **No wasted rack space**
  - Plug & Play modularity without mounting shelf
- **Easy maintenance**
  - Plug-in AC&DC connections
- **Low output noise**
  - Less than 20 dBrc without battery
- **Protection**
  - AC input breaker
  - DC output breaker
  - Electronic over/under voltage protection
  - High temperature shutdown
- **Controls**
  - Key pad menu driven set-up of all critical functions
- **Metering & Status**
  - DC digital ammeter, volts selectable, 1% accuracy
  - LED status indicators, full output metering and unit status on four-line, 21 character graphical display
  - High & low volts, high temp, float, equalize, boost, fail
- **Warranty**
  - Comprehensive 24 month



Rear view of MajorTPS Rectifier

## Product Specifications

MajorTPS Rectifiers	24 VDC Systems		48 VDC Systems		
Model	MajorTPS 50/24	MajorTPS 100/24	MajorTPS 33/48	MajorTPS 50/48	MajorTPS 100/48
<b>Input</b>					
Voltage	185 - 276 VAC				
AC Frequency Range	47 - 63 Hz				
Protection	Circuit breaker, transient suppression				
Dielectric Strength	1500 VAC				
Power Factor		.99		.99	.78
Inrush Current	Limited to below maximum operating				
Maximum Line Current		12A @ 220V		12A @ 220V	36A @ 230V
AC Connection	Twistlock				
<b>Output</b>					
Nominal Voltage	24 V	24 V	48 V	48 V	48 V
Current	50 Amps	100 Amps	33 Amps	50 Amps	100 Amps
Power	1350 W	3000 W	1850 W	2800 W	5600 W
Turn on Delay	8 - 90 seconds adjustable				
Float Voltage (2.25 VPC)	27.0 ±1% (adj 23-31V)		54.0 ±1% (adj 47-61V)		
Equalize Voltage (2.25 VPC)	27.0 ±1%; (adj 23-31V)		54.0 ±1% (adj 47-61V)		
Output Ripple	>5 mV RMS				
Current Limit Range	100% up to short circuit				
Efficiency	91% @ 80% load				
Regulation	±0.5% - Static; 2% - 100% load step				
Response Time	<1mS				
Voiceband Noise Weighted	<0.5 mV				
Wideband Noise	<20 mV				
Psophometric Voltage	<2 mV				
Conducted RFI on Output	Built to meet FCC Part 15, Sub Part B Class A				
DC Connection	Plug-In Power Pole				
<b>Physical</b>					
Input Connections	Hardwire				
Output Connections	Plug in power pole				
Rack Units	2 RU				
Cooling	Fan Cooled				
Altitude	10,000 feet				
Dimensions (WxDxH)	17" x 17" x 3.5"				21" x 17" x 3.5"
Weight	30 lbs	38 lbs	24 lbs	38 lbs	42 lbs
Temperature	0 - 50° C Operating; -20 to +80° C Storage				
Cabinet Type	Monolithic, No shelf required				