

MajorPS+ Utility / Substation / Industrial Rectifiers

MajorPS+ Utility & Industrial Rectifiers are specifically designed for switchgear and industrial applications. These rugged, fully automatic units provide constant potential charging of all types of batteries. The extremely low output ripple also allows the units to be used without a battery as a high quality power supply with adjustable output.

Product Features

- Low DC ripple
- May be connected to battery permanently
- No Overcharging
- Automatic & Quiet Operation
- Fully isolated
- Full surge protection
- Full 1 year Warranty



Standard units are 120 VDC, 10 & 20 Amp

Contact us for other available voltages, power levels and cabinets.

Product Specifications

Input	
Voltage	115 or 230 VAC, 50/60 Hz, single phase
Output	
Voltage	120 VDC (Nominal)
Current	10 or 20 Amps
Regulation	±1% load and line
Current limit	Rectangular current limit, adjustable from 5% to 100%
Modes	Float, equalize and auto-equalize (with built-in timer), and boost mode when used as a charger.
Efficiency	>85% typical
Protection	
<ul style="list-style-type: none">• Common mode and differential filtering ac line filtering• 2-Pole AC circuit breaker• 2-pole DC circuit breaker• Brownout and transient protection• Overload and short circuit protection• Reverse battery polarity protection• Isolation: >1500V rms per IEC 255-5 (1977)• Surge Withstanding: ANSI/IEC C37.90 (1989)	
Ripple/Noise	100mV maximum
Status Alarms	Composite AC fail / low voltage alarm with Form-C contacts, and visual indication.

Controls and Indicators

- Digital voltmeter / ammeter for output monitoring
- Input / output circuit breaker
- Power and status indicators
- Float, equalize and boost adjustable controls; all with LED indicators
- Heavy duty compression type input / output terminals
- Separate load and battery terminals

Environmental

Operating Temp Range	-10°C to +50°C
Storage Temp Range	-40°C to +85°C
Non-condensing Humidity	0 to 95% RH

Enclosures

- 19-inch rack mount with carrying handles
- 3RU high for 10 Amp output units; 5RU high for 20 Amp output units; 18-inches deep
- Black epoxy paint, light textured