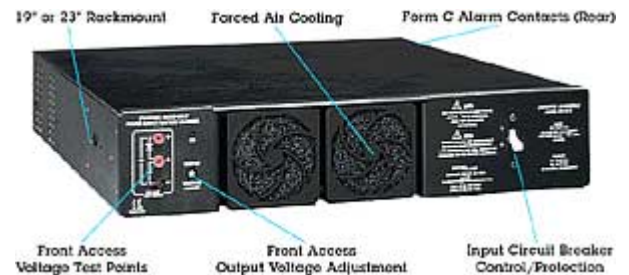


PM Series Telecom Rectifiers

PM Rectifier Models function either as stand-alone power supplies or as chargers for back-up battery strings in 48, 24 or 12 VDC systems; available as positive, negative or floating ground. **PM** rectifiers may be employed singly or in combination, enabling scaling from 500 to 6000 Watts per rack.

PM Rectifier Modules may be paralleled for N + 1 redundancy. Alarm contacts allow local or remote monitoring. An optional DC quick connect kit allows easy replacement of the rectifiers without power system shutdown. All these features combine to provide tremendous flexibility in a telecom power system.



Product Features

- 115 or 230 VAC, 50-60 Hz rectifier module input
- 48/24/12 VDC output; Positive, Negative or Floating Ground
- 560 or 1000 watts per rectifier module output (approx.)
- Parallel or N + 1 redundant configuration - up to 6 rectifiers may be paralleled
- Power supply or battery charger operation (DC UPS system)
- Battery charging function options: three-step charging, gel/lead-acid switch, equalization & battery temperature compensation
- Remote rectifier shutdown control option via TTL signal
- Form C alarm contacts activate on any rectifier output loss condition
- 19" or 23", flush or 6" forward rackmount

Product Specifications

Performance	
Input	85-135 / 170-270 VAC (selectable), 47-63 Hz
Power Factor	0.7
Regulation	±1% at direct output; ±2% through "oring" diode
Ripple	1%
Efficiency	80-85% @ full load
Front Panel Output Voltage Adjustment Pot Range	10%
Protection	
<ul style="list-style-type: none"> • Output fuse for reverse polarity • Current limit and fold back • Input circuit breaker on rectifier module front panel • Automatic high temp output power reduction starting @ 50°C ambient and full load • Forced air cooling with filter provided 	
Mechanical	
Front Panel	Anodized aluminum
Base And Cover	Vinyl laminated aluminum
Mounting	Rack (19" or 23" - 2 RU) or bulkhead mounting optional
560 Watt models	IEC AC entry module; 6' power cord with MENA 5-15 plug, 115 VA; ¼" - 20 Output stud
1000 Watt models	6' power cord, hard-wired with NEMA 6-15 plug, 230 VAC Output bus bar
LED	Output "OK"
Alarms	Loss-of-output alarm contact - Form 'C
Test Points	Front panel voltage
Temperature Rating	-40°C to +60°C; Derate linearly from 100% load @ 50°C to 75% @ 60
Protection	Output fuse for reverse polarity, Current limit and fold back, Input circuit breaker on rectifier module front panel, Automatic high temp output power reduction starting @ 50°C ambient and full load, Forced air cooling with filter provided
Compliance	UI 1950, EN 50082, EN 55014
Options	
<ul style="list-style-type: none"> • Three stage charger function with gel / lead-acid selector (replaces voltage adjustment pot) Model: CFB • Temperature compensation (for battery charging) Models: TCS-12/24, TCS-48 • Battery equalize (timer required) Model: BEQ • DC quick connect kit Models: QCK-3 (for 2-3 unit PM system) QCK-6 (for 4-6 unit PM system) • "Universal" mounting bracket; Model: UMB-PM 	

Model Selection Guide

Model	Input (Amps @ F.L. 115/230)	Output (VDC V Out / VDC V2 / Amps Cont)	Weight (lbs / kg)
PM-12-40	8.5/4.3	13.6 / 14.3 / 40	12.2 / 5.5
PM-12-70	16/8	13.6 / 14.3 / 70	15.2 / 6.9
PM-24-20	8.5/4.3	27.2 / 27.9 / 20	12.2 / 5.5
PM-24-35	16/8	27.2 / 27.9 / 35	15.2 / 6.9
PM-48-10	8.5/4.3	54.4 / 55.1 / 10	12.2 / 5.5
PM-48-18	16/8	54.4 / 55.1 / 18	14.0 / 6.4