

NM Series

-48VDC Power Solutions



21 Amps @ -48VDC 127NM

The PECO II 127NM, 3 to 21 Amp at -48VDC power system operates from a 115 or 220VAC, 50 to 60 Hz source. The system utilizes switchmode rectifiers to expand the output in 3 Amp increments. The power system provides output distribution, low voltage disconnect, and alarming. The 127NM power system is available in 19" and 23" rack or wall mount configurations. The 19" can accommodate five rectifier modules and the 23" can accommodate seven. Optional features include battery boxes, battery temperature compensation, and midpoint voltage monitoring.

- **Switchmode Rectifiers** - Each module provides a 3 Amp output
- **AC Input Module** - Provides the plant AC fail alarm interface and a visual LED indicator
- **Alarm Module** - PMN, PMJ, BD, DO, and PU indicators
- **DC Distribution Module** - Provides 8 GMT fuses and a fuse fail LED
- **Battery Temperature Compensation Module** - Null, PMN, PMJ, and High Temp. indicators

NM Series Specifications

Input	127NM
Voltage Ranges	98 - 132VAC 176 - 265VAC
Frequency Range	50 - 60 Hz
Current*	2.6 Amps per rectifier, 1.37 Amps per rectifier

Output	127NM
Float Voltage Range	50 - 60VDC
Float Factory Setting	54.0VDC
Regulation	±1.0% line and load, at 10 to 100% load
Current	3 Amps per rectifier
Efficiency	80% at full load

Noise	127NM
Voice Band	<32dBn _C
Wide Band	250mV peak to peak, 10Hz - 14MHz

*This rating is dependent on the input AC used. The top rating is for 98-132VAC and the bottom rating is for 176-265VAC.

Environmental

127NM

Storage Ambient	-40°F to +185°F (-40°C to +85°C)
Operating Ambient	32°F to 149°F (0°C to 65°C)
Humidity	<95% non-condensing
Heat Dissipation	140 BTU/hr, per rectifier module

Mechanical

127NM

Height	5.22" (132.6mm)
Width	19.0" or 23.0" (482.6mm or 584.2mm)
Depth	8.2" (208.3mm)
Weight	23" System = 11lbs (5kg) Rectifier = 0.75lbs (.34kg)
Mounting	Relay rack, cabinet, or wall
Cooling	Convection

Documentation

127NM

Product Manual	438127NM-PD
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Visual Indicators & Alarms

127NM:

	LED Description	Name	Color
Rectifier Module:	Power	PWR	Green
	Rectifier Failure Alarm	RFA	Red
	Voltage Alarm	VA	Red
Alarm Module:	Power Minor	PMN	Amber
	Power Major	PMJ	Red
	Battery Disconnect	BD	Amber
	Drop Out	DO	Amber
	Pick Up	PU	Red
	Low Voltage	LV	Amber
BTC & Midpoint Indicators:	Null	NULL	Green
	Power Minor	PMN	Amber
	Power Major	PMJ	Red
	High Temp	HT	Amber
AC Input Module Indicator:	AC Fail	AC Fail	Red
DC Distribution Module Indicator:	Fuse Fail	Fuse Fail	Red

Options

127NM:

List #	Description	PECO II Part Number
2	19" basic plant	.6180466P
3	23" basic plant	.6180329P-4
7	-48VDC @ 3 Amp rectifier module	.SM3H48P
8	Battery temperature compensation and mid point monitor (BTCM) module	.6200202P-1
20	19" main battery box	.6180520P
21	19" supplemental battery box	.6180520P-1
25	23" main battery box	.6180519P
26	23" supplemental battery box	.6180519P-1
45	AC input module	.6200165P-1
46	Alarm module	.6200200P-1
47	DC distribution module	.6200228P-1
50	1.3 Amp GMT fuse	.3150443
51	3 Amp GMT fuse	.3150445
52	5 Amp GMT fuse	.3150446

Line Drawing

127NM:

127NM List 2 is shown

