



# 126NH

## 300 Amps @ +48VDC Power Solution



### 360 Amps @ +24VDC 126NH

The PEC 126NH plant is a modular designed, microprocessor-controlled rectifier plant capable

of providing various outputs dependent on the input AC and the number of rectifier modules installed. This 23" plant can accommodate up to six rectifier modules for an output ranging from 40 Amps (120VAC input) to 60 Amps (240VAC input) per rectifier module at +24VDC. Total plant rating is up to 360 Amps when equipped with six rectifier modules and an input of 240VAC. The simple controller is the user interface for the plant and collects and reports monitored signals. Signals can be viewed via the control keypad and the user interface. The distribution monitor module provides the battery monitoring for up to two strings of batteries.



- **BTCM** - Regulates the plant voltage based on the temperature of the batteries
- **Simple Controller** - The user interface to all setpoints and alarms
- **Distribution Head** - Up to 20 circuit breakers may be equipped for output distribution
- **Battery Tray** - Batteries can be mounted near the plant using optional battery trays

## NH Series Specifications

Input	126NH
Voltage Ranges	98 - 132VAC, 176 - 265VAC
Frequency Range	50 - 60Hz
Currents*	12 Amps per rectifier 10 Amps per rectifier

Output	126NH
Float Voltage Range	23 - 30VDC
Float Factory Setting	27.24VDC
Regulation	±0.5% line, ±1% load, at 10 to 100% load
Current*	40 Amps per rectifier 60 Amps per rectifier
Efficiency	88% at full load

Noise	126NH
Voice Band	32dBnC
Wide Band	100mV peak to peak, 10Hz - 100MHz

Environmental	126NH
Storage Ambient	-40°F to +185°F (-40°C to +85°C)
Operating Ambient	
Sea Level to 4,800ft	32°F to 149°F (0°C to 65°C)
4,800ft to 7,000ft	32°F to 113°F (0°C to 45°C)
7,000ft to 10,000ft	32°F to 104°F (0°C to 40°C)
Humidity	<95% non-condensing
Heat Dissipation	761 BTU/hr per rectifier module

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## Mechanical

### 126NH

Height	8.72" (221.5mm)
Width	19.0" or 23.0" (482.6mm or 584.2mm)
Depth	14.0" (355.6mm)
Weight	System = 35 lbs (15.9kg) Rectifier = 7.0 lbs (3.2kg)
Mounting	Relay rack or cabinet
Cooling	Front-to-rear variable speed fan

## Documentation

### 126NH

Product Manual	6420357P
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\*This rating is dependent on the input AC used. The top rating is for 98-132VAC and the bottom rating is for 176-265VAC.

## Visual Indicators & Alarms

### 126NH:

	LED Description	Name	Color
<b>Rectifier Module:</b>	OK	OK	Green
	Standby	Standby	Amber
	Rectifier Fail	Fail	Red
<b>Plant (Simple) Controller:</b>	Major Alarm	Plant Major	Red
	Minor Alarm	Plant Minor	Amber
	Distribution Alarm	Dist Fuse Alarm	Amber
	Float Mode	Float	Green
	Equalize Mode	Equalize	Amber
	Low Voltage Disconnect	LV Disconnect	Amber
	Low Voltage Alarm	LV Alarm	Amber
	Controller Watchdog	CONT	Green (Pulsing)

## Options

### 126NH

Description	PECO II Part Number
Rectifier module .....	.SM60H24PM
19" shelf with bulk output .....	.657126NH-1
23" shelf with bulk output .....	.657126NH-23

### Line Drawings

#### 126NH

657126NH-23 is shown

