

# Product Change Notice

**PCN Date:** November 3, 2022 (UPDATE)

**PCN #:** 20221013-1R1 (Updated from PCN20221013-1)

**PCN Title:** End of Life (EoL) of PS48NPFC20 replaced by 48NPFC-20-2.0L

**Products Affected:** PS48NPFC20

## Description of Change:

UPDATED: Concerns with terminations on the left hand side has led to move terminal from the left hand side to the right hand side. New drawings are attached.

Part Number (PN) PS48NPFC20 has been discontinued due to improvements and part shortages. Our new battery which replaces the discontinued version will have identical performance specifications and is an identical battery. The new product PN 48NPFC-20-2.0L has new components with higher reliability and availability. The new product will fit into a 19" rack and will have the same physical envelope of the discontinued product. Some artwork and mechanical dimensions are shown on pages 2 and 3.

## Customer Impact:

The new 20 A-hr battery (48NPFC-20-2.0L) is identical in envelope, physical features, and electrical connections. Terminal lugs on the older unit was M4 and are now M5. Customer impact should be minimal.

## Contact Information:

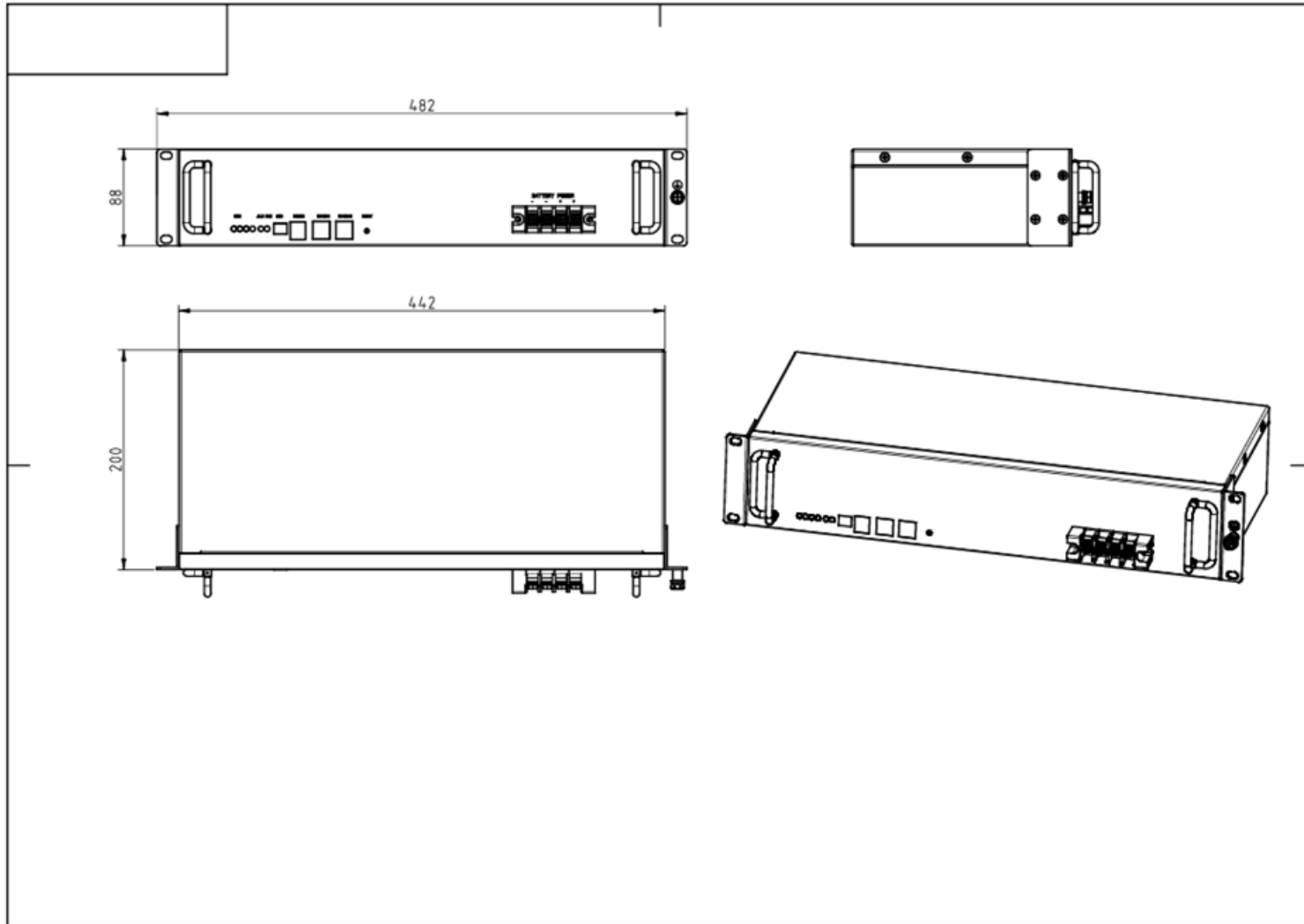
For questions, comments or more information, please contact PowerTec Solutions International:

**PowerTec Solutions International**

44 Revolution Drive  
Franklin, KY 42134

P: (270) 813-1110  
E: [info@powertecsolutions.net](mailto:info@powertecsolutions.net)





**PSI MICRO VISION 48V  
RACKMOUNT BATTERY (20AH)  
#PS48NPFC-20-2.0**

Charge Voltage: 48V

Nominal Capacity: 20AH

Design Life (25°C): 20yrs

Cycle Life (25°C): 2000 Cycles

Rack Unit: 2RU

Compatible with all standard  
Telecom rectifiers

More Usable Capacity than similar amp  
hour lead acid battery  
Comprehensive Communication

Parallel Operation for scalability

Built-in automatic protection for over-charge,  
over-discharge and over-temperature  
conditions

Built-in battery management for highest  
level of operational efficiency

State of charge and state  
of health indicator

Redundant Safety

Internal cell balancing

Communication of monitored data via  
Battery Management System (BMS)

PICTURES TBD

PSI's Micro Vision Remote Monitoring/Management Software provides realtime visibility to all battery key indicators and alarms to ensure your critical sites never go down. Proactive monitoring was never easier with integrated Google Earth battery mapping for site and battery statistic, remaining capacity, temperature, alarm status and more...



#### APPLICATIONS

- Customer Premise Equipment
- Alarm "Status" LED
- Communications Port For: Battery Health Statistics, Temperature Monitoring, Alarm Alert, Current, Voltage, etc.
- Dry Contact Battery Alarm - Major/Minor Fault (Optional)
- 48Vdc output - Two wire connection (+/-) to Rectifier
- Safe, Easy install by anyone in less than 5 minutes
- Connects to any standard 48V Charging System
- Direct Drop-in Replacement to 48V String of Sealed Lead Acid

#### FEATURES

- Compatible with all standard Telecom rectifiers
- More Usable Capacity than similar amp hour lead acid battery
- Comprehensive Communication
- Parallel Operation for scalability
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- Built-in battery management for highest level of operational efficiency
- State of charge and state of health indicator
- Redundant Safety
- Internal cell balancing
- Communication of monitored data via Battery Management System (BMS)

#### BATTERY SPECIFICATIONS

Rated Voltage: 48V  
Rated Capacity: 20Ah (C, 0.2C to 40.5V @ 25°C)  
Discharge Current (Max.): 20A  
Discharge End Voltage: 40.5V  
Charge Current (Recomm.): 4A  
Charge Current (Max.): 20A  
Charge Voltage: 54±0.5V

Width: 442 mm  
Depth: 200 mm  
Height: 88 mm (2U)  
Typical Weight: 13.5 Kg

#### ENVIRONMENTAL

Operating Temperature: -20°C to +60°C

**REVOLUTION**  
LiFePO<sub>4</sub>

**EVOLUTION**  
Li-Ion