

Product Change Notice

PCN Date: December 15, 2023

PCN #: PCN#20231214-1

PCN Title: New PSI LFP 100 Ahr Battery

Products Affected: P/N 48NPFC-100-2.0L, 48NPFC-100-2.0, 48NPFC-RMU-1.1

Description of Change:

A new and improved 100 Ahr battery (P/N 48NPFC-100-2.0L) will replace the 48NPFC-100-2.0 b battery. The battery will include several enhancements to include a longer life, baskets that will fit 19" or 23" racks. Also, rotatable bracket that can anchor the battery to the shelf. Included will be a display so Battery Management System (BMS) data can be viewed on site. Expected availability is expected late 2nd Quarter 2024.

Customer Impact:

Major changes that will impact installations are the following:

1. The battery depth has changed from 15.75" (400mm) to 17.75(450mm).
2. The battery voltage terminals are on the right and left side, front panel, of the case. Termination screw is still M6.
3. A new Remote Monitoring Unit (RMU, P/N 48NPFC-RMU-1.1) firmware will be released to be compatible with the new battery.
4. This battery is a 16S and charge/float voltage should be set at 58.4V.
5. Charging current will be limited by the BMS to 0.2C (20A) per battery.
6. There will be no CAN bus connections.

Attached are additional descriptive materials for review. Also, a comprehensive specification will follow as a revision to this PCN.

Contact Information:

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

PowerTec Solutions International
44 Revolution Drive
Franklin, KY 42134

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

Attachments:



Figure 1: Rendering of brackets that have been rotated, attached mid-line, for attachment to a shelf.

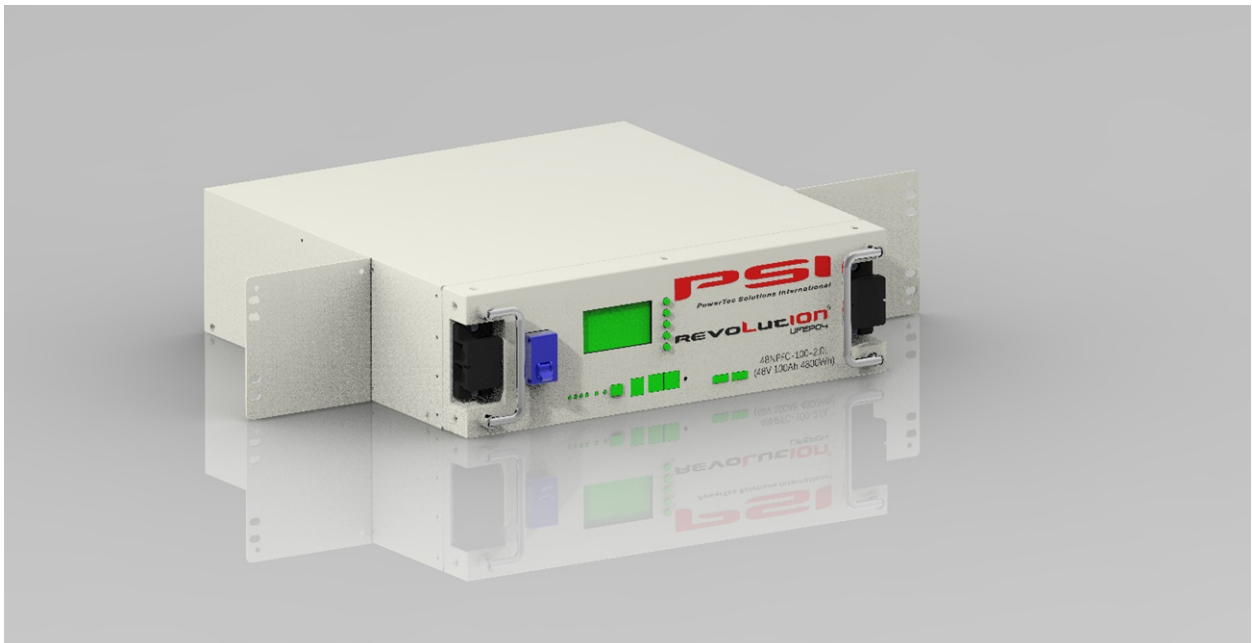


Figure 2: Rendering of brackets mounted mid-line, to fit in 23" 2 post rack.

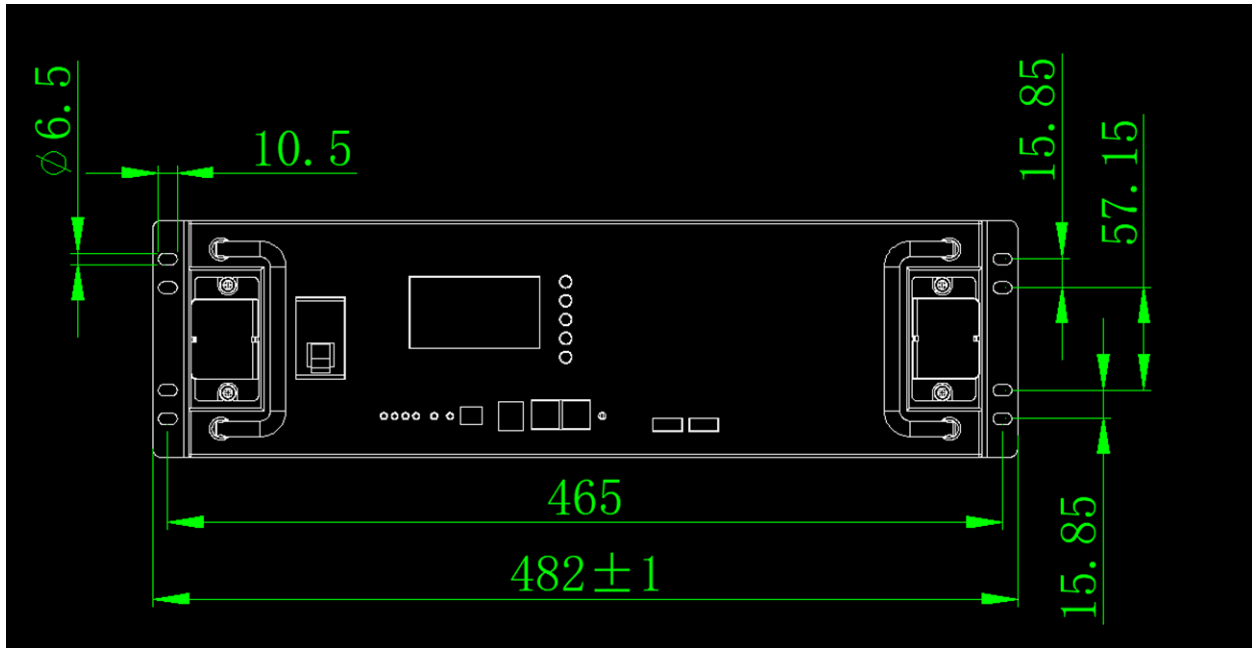


Figure 3: Front Panel Dimensions.

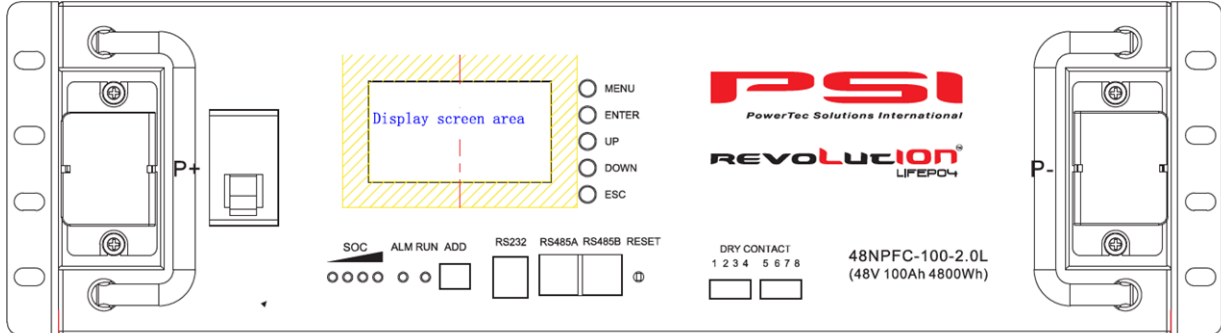


Figure 4: Front Panel Detail