

What's new in PowerLogic™ ION8800 firmware v370

This document outlines the new and updated features in firmware version 370 (v370) for the PowerLogic™ ION8800 meters.

Additional information and resources

Visit www.schneider-electric.com to download the firmware upgrade files and related resources.

- The firmware upgrade files.
- The latest template files.
- The latest version of ION Setup to support the new features (You can also select **Help > Check for Updates** from within ION Setup).
- The latest user manual, datasheets and installation sheets.

IEC 61000-4-30 Edition 3 support

This firmware version supports IEC 61000 4-30 Edition 3.

The IEC 61000-4-30 (4-30) standard defines methods for measurement and interpretation of power quality parameters in 50/60 Hz AC power supply systems. The standard describes measurement methods for relevant parameters to obtain reliable, repeatable and comparable results using any compliant meter. New items are now required in 4-30 Edition 3 and have been implemented on this meter:

- **Rapid Voltage Changes (RVC)** – RVC is a quick transition in RMS voltage between two steady-state conditions, during which the voltage does not exceed the sag/swell thresholds. The Sag/Swell module can now detect and measure RVC and record the event in the meter's Event Log.
- **Current Measurements** – Current measurements are useful as a supplement to voltage measurements, especially when trying to determine the causes of events such as voltage magnitude change, interruption or imbalance. These current measurements include:
 - Magnitudes
 - Harmonics and Interharmonics
 - Unbalances