



- Release 230V Firmware v2.06 Build 0024
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## Release 230V Firmware v2.06 Build 0024

*If upgrading to this version, the user is required to first upgrade Conext Gateway with the latest firmware. Refer to the XW Pro Amended Firmware Upgrade Procedure.*

Certified AS4777 Firmware.

- Released: 06 Feb 2023
- Summary of Changes:
  - Added AS4777-2020 grid code compliance
  - Added SoC Based Enhanced Grid Support
  - Added Low SoC Hysteresis
  - Increased the LBCO setting range to 50Vdc
  - Improved frequency shift response time for AC Coupling
  - Improved BMS comms lost operation
  - Improved transitions to backup power for multi-unit systems to optimize load sharing
- Known Issues:
  - Enhanced Grid Support in voltage control mode (SOC Control Disabled) has the following limitation:
    - When MPPT in float and DC coupled PV production is less than the sell Amps, the battery voltage may dip and XW pro result in sell cycling. The workaround for this would be to set Absorption time to 8 hours, so that absorption timer doesn't expire before end of the solar day.
  - Enhanced Grid Support with External BMS, SOC Control Enabled was added in this release but has the following limitation:
    - The XW Pro output to AC is limited by the Max Discharge current of the BMS, even if available solar from the MPPT exceeds the BMS limit. Ensure the battery maximum discharge current is greater than the maximum MPPT output if using this feature.

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## Release 230V Firmware v1.12 Build 0016

*If upgrading to this version, the user is required to first upgrade Conext Gateway with the latest firmware. Refer to the XW Pro Amended Firmware Upgrade Procedure.*

Certified EN50549 Firmware.

- Released: 31 Mar 2021
- Summary of Changes:

- Added EN50549 grid code compliance

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## Release 230V Firmware v1.10 Build 0031

*If upgrading to this version, the user is required to first upgrade Conext Gateway with the latest firmware. Refer to the XW Pro Amended Firmware Upgrade Procedure.*

Certified Australia AS4777 Firmware.

- Released: 19 Feb 2021
- Summary of Changes:
  - AC relay disconnect and reconnect levels are moved from grid codes to AC settings menu (advanced).
  - Improved synchronization and transitions of multi-unit systems to backup power.
  - Reduced inrush current during backup power to grid tie transition.
  - Simplified the firmware upgrade process by preserving the existing grid code.
  - Generator Input (AC2) settings are configured automatically based on the region code selection.
  - Improved performance of Frequency-Watt function P(f).
  - Improved grid forming frequency recovery after generator disconnects.
  - External Contactor Operation Improvements including faster transition to backup power.
  - Enabled SoC Control mode with Battery Monitor
    - Change inverter states based on SoC level.
    - AC Coupling controls improvements using SoC level.
- Bug Fixes
  - Resolved grid code application mismatches.
  - Fix AC2 generator qualification issues.

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## Release 230V Firmware v1.05 Build 0022

- Released: 11 Feb 2020
- Summary of Changes:
  - Factory release of IEC 61727 230V firmware

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## Release 230V Firmware v1.00 Build 0005

- Released: May 17, 2019
- Summary of Changes:
  - Release of 230V XW Pro firmware for factory testing