

## Industrial Network UPS Firmware Release Notes 202.300

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## General

The 20X.30X series of firmware adds alarm and protection features to improve product reliability and quality. The 202.300 release adds support for upgrading 35W UPSs shipped with FW older than 118.XXX.

## Supported Hardware

<i>Model</i>	<i>Required Firmware to support Release</i>	<i>Notes</i>
35W (UPS003024024015)	Any	
100W (UPS00100DC)	Any	

## Released Production Files

### Product Upgrade

#### *Image Information*

Filename: image.bin

Version: 202.300

CRC32: 671D611C

SHA256: a680368bf13706975b2663118bed8d9e2b78192c4f41b354918f681ef3fd57c8

Filesize: 992793 bytes

## New Features

### New Features added in version 202.300

This release provides defect fixes only.

### New Features added in version 200.300

<i>Feature</i>	<i>Title</i>
1	Capacitor Over-Temperature Alarm and End of Life
2	Capacitor Over-Voltage End of Life
3	Capacitor State of Health Monitoring Alarm and End of Life
4	Capacitor Voltage Reduction

- 1 The UPS will monitor the internal temperature of the UPS. If the temperature nears maximum temperature, an over-temperature alarm will be issued. If the temperature exceeds the maximum temperature, the capacitors are damaged. The UPS will continue to allow bypass mode only and indicate that it must be replaced. No backup power will be provided.
- 2 The UPS will monitor internal cell voltage. If any cell voltage is above safe limits, the cell has been damaged. The UPS will continue to allow bypass mode and indicate that it must be replaced. No backup power will be provided.
- 3 The UPS will monitor capacitor health. When health nears 0%, the UPS will issue an “End of Service Life” warning and continue to operate normally. When health reaches 0%, the UPS will continue to allow bypass mode and indicate that it must be replaced. No backup power will be provided.
- 4 The UPS will reduce the maximum capacitor voltage. This will increase the lifetime of the UPS and prevent capacitor damage at high temperatures but will reduce the hold time of the UPS.

## Resolved Issues

### Issues resolved by version 202.300

<i>Issue ID</i>	<i>Title</i>
<b>UPS-138</b>	On a 35W unit upgrading from 113.210 to 201.300, the SN reverted to default
<b>UPS-135</b>	UPS falsely reports overvoltage EOL
<b>UPS-117</b>	Mode LED indicates minor fault when Ethernet is unplugged

**UPS-138** On a 35W unit upgrading from 113.210 to 201.300, the SN reverted to default

When upgrading the firmware to 201.300 on a 35W unit from a unit running firmware version 113.211 or earlier, the firmware believes that some configuration data is corrupted and resets the values to default values. The following are affected: Serial Number, Model Number, and the charge rate.

**UPS-135** UPS falsely reports overvoltage

The UPS may report an overvoltage during an over-discharged state. This may happen after storage or extended periods of time without input power.

**UPS-117** Mode LED indicates minor fault when Ethernet is unplugged

A flashing red Mode LED is reserved for major faults, minor faults, and alerts. A disconnected Ethernet cable or no IP address is indicated by an unlit Network LED.

# Outstanding Issues

## New Issues

The following issues were discovered while working on this release.

<i>Issue ID</i>	<i>Title</i>	<i>Version</i>	<i>Status</i>
<b>UPS-152</b>	Factory Restore does not reset SNMP settings	119.212	DEFER

### **UPS-152** Factory Restore does not reset SNMP settings

Using the Restore option to reset the UPS to factory defaults does not change the SNMP configuration. User information and passwords for SNMP are still retained in the device

*Workaround:* After a factory restore, the SNMP configuration including usernames and passwords can be changed manually to the desired settings.

## Existing Issues

The following reported issues were found prior to this release and are still outstanding.

<i>Issue ID</i>	<i>Title</i>	<i>Version</i>	<i>Status</i>
<b>UPS-64</b>	Firmware Update Process initiation is intermittent	128.212	DEFER
<b>UPS-118</b>	Incorrect scaling on cell voltage report in events	200.300	DEFER
<b>UPS-119</b>	Over-temperature Alarm indicates device is operational when output overload may have disabled the output.	200.300	DEFER
<b>UPS-125</b>	SNMP upsBatteryVoltage reads zero when input power is removed	128.212	DEFER
<b>UPS-130</b>	Unimplemented SNMP items are included in the MIB	128.212	DEFER
<b>UPS-131</b>	upsAlarmTable not updated for upsAlarmOnBattery condition	128.212	DEFER

**UPS-64**      Firmware Update Process initiation is intermittent

Depending on the browser used, the firmware update process may fail to initiate after the file is selected and the “update” button is pressed. The browser may show a screen indicating the connection was reset.

*Workaround:* Click the browser refresh button, select the file again and press the update button. If this process fails twice, try a different browser.

**UPS-118**      Incorrect scaling on cell voltage report in events

*Workaround:* Over-voltage indicates HW failure. Contact Panduit Customer support for the next steps to be taken.

**UPS-119**      Over Temperature Alarm indicates device is operational when output overload may have disabled the output. The control relay functions as expected.

*Workaround:* If the web UI indicates an over temperature alarm, check the output voltage to verify there was not an overload condition.

**UPS-125**      SNMP upsBatteryVoltage reads zero when input power is removed

When input power is removed from the UPS, the upsBatteryVoltage object reads zero.

*Workaround:* Read SNMP upsEstimatedChargeRemaining to determine approximate battery voltage.

**UPS-130**      Unimplemented SNMP items are included in the MIB

The following objects are readable or writeable in the SNMP, but are not functional:

- upsOutputPercentLoad
- upsBypassTable
- upsRebootWithDuration

*Workaround:* These objects should not be used in SNMP.

**UPS-131** upsAlarmTable not updated for upsAlarmOnBattery condition.

When the upsAlarmOnBattery condition occurs, the upsTrapOnBattery notification will be raised. The upsAlarmTable is not updated with the upsAlarmOnBatteryCondition.

*Workaround:* The upsInputVoltage will be 0 when operating on Battery.



## Document History

Revision	Date	Reason for Change
1	October 15, 2018	Initial Release
2	October 19, 2018	Added UPS-152