

CYBER POWER SYSTEMS, INC.

## INTELLIGENT PDU FIRMWARE RELEASE NOTES

Applicable Products:

PDU31XXX, PDU41XXX, PDU71XXX, PDU81XXX

Version 1.1.1 (Release Date: Jun. 25, 2019)

### New Feature

- Add SNMP OID as follows:
  - envircTemperatureCelsius
  - envircTempCelsiusHighThreshold
  - envircTempCelsiusLowThreshold
  - envircTempCelsiusRateOfChange
  - envircTempCelsiusHysteresis

### Feature Improved

- Support Outlet User feature and Outlet Name setting among Monitored PDU Series
- Expand account/password up to 63 characters for the Administrator on the Local Account and the SMTP Server.
- Display passwords with five asterisks "\*\*\*\*\*" instead of originally blank once the password field of SMTP server, SNMPv3 authentication and privacy is set.
- Support load threshold hysteresis.
- Add temperature or humidity value in selected Environment Sensor events.
- Add Firmware update events in the list of System Information.

### Bug Fixed

- PDU would crash after the software "NESSUS" detects and scans the PDU.
- Using Windows NPS RADIUS Server could not login with Administrator.
- Setting the Schedule Once on the Web Interface, the same action might unexpectedly do again after 11 days.
- The E-mail Recipients webpage would not display correctly once the test message is sent to more than one email recipient and DNS server is not functional.
- Setting Gmail authentication on SMTP server would not succeed due to the change of verification method in Google mail Server.
- Webpage is no longer accessible through HTTPS once the handshake between PDU and LDAPS server fails.
- Error message "Key Exchange Fail" appears on the console when users attempt to log in through SSH by PUTTY.
- SMS service is not functional in specific servers with severe standard.
- Special characters are not allowed when setting account/password through

console service.

- Using TLS/SSL to verify user's identity on the SMTP server would get authentication failure when the character length of account is shorter than the character length of password.
- Logging in with wrong level of access if the description attribute of the account is not set in LDAP Server.
- Setting outlet load threshold cannot work through console service.
- Outlet load threshold events are not triggered among Metered-by-Outlet PDU Series.

#### Version 1.10 (Release Date: Jun. 25, 2018)

##### New Feature

- Support Firmware Update function via Secure Copy Protocol (SCP) and PuTTY Secure Copy client (PSCP).
- Support SSH Hostkey export function.

##### Feature Improved

- Display outlet user name in the Event Logs when outlet user logs in/out.
- Expand the compatibility of USB Flash Drive for firmware update function.

##### Bug Fixed

- Inputting incorrect Manager IP format in the Local Account page would be accepted and be configured an unpredictable setting value.
- Status load (Amps) responded from SNMP OID was 10 times to correct value, e.g. ePDU2DeviceStatusLoad, ePDU2DeviceStatusPeakLoad, ePDU2BankStatusLoad, ePDU2OutletMeteredStatusLoad, etc.
- Unexpected reboot when LCD screen off time is set to 'Never'.

#### Version 1.09 (Release Date: May 8, 2018)

##### Feature Improved

- Support the following models: PDU31106, PDU31406.

#### Version 1.08 (Release Date: Feb. 8, 2018)

##### New Feature

- Support Firmware Upgrade via Daisy-Chain function. Once the Host PDU completes the firmware upgrade, it will trigger its Guest PDUs in the series to upgrade the firmware automatically.

##### Bug Fixed

- Scheduling outlet actions at the same action time cannot work.
- Webpage is no longer accessible in case of HTTPS handshake failure.

- Notification through Gmail cannot work if HTTP/HTTPS port changed.
- System time becomes incorrect when it is updated from NTP server in the period of DST.
- DNS cannot work normally as long as it fails once.
- Device/Outlet load (Watts) displayed on PowerPanel® Business Edition is 10 times to correct value.
- Under certain conditions the PDU will enter a mode of operation in which power measurements are not updated and outlet control is unresponsive until the unit is rebooted.

#### Version 1.06 (Release Date: Aug. 16, 2017)

##### New Feature

- Daisy Chain: Users are able to access up to four PDUs using only one network connection.
- Security Enhancement: Users forced to change default username/password upon first login.

##### Feature Improved

- SYSLOG description added on Event Action Help page.
- Upon Manual Setup for system time configuration, year option can only be chosen after 2000.
- Unit displayed for power adjusted to 1W/VA in the replacement of 0.01kW/kVA.

##### Bug Fixed

- Fixed the issue where users cannot login through Safari browser.
- Fixed mis-sending Login Event bug when testing LDAP/RADIUS.
- Fixed bugs where revision of OAuth verification algorithm leads to users being unable to authorize Gmail account as SMTP serVersion
- Unexpected reboot when e-mail was sent via Office365 SMTP serVersion
- Users cannot login through SSH via PUTTY.
- Fixed bugs where outlet peak power/energy is not reset after PDU reset action is executed.
- Fixed the issue where Wake-on-LAN may not function properly after users connect with PPBE.

#### Version 1.04 (Release Date: Nov. 22, 2016)

##### Bug Fixed

- Fixed table heading bugs in the file which users save status records.

#### Version 1.03 (Release Date: Nov. 10, 2016)

Feature Improved

- Improved USB firmware upgrade process.

Version 1.02 (Release Date: Oct. 28, 2016)

Bug Fixed

- Fixed content errors on several interface (Web/Telnet/LCD/MIB).

Version 1.01 (Release Date: Oct. 24, 2016)

Bug Fixed

- Fixed table heading bugs on status records webpage.

Version 1.00 (Release Date: Oct. 6, 2016)

- First Release.

CYBER POWER SYSTEMS, INC.

[www.cyberpowersystems.com](http://www.cyberpowersystems.com)

Contact in USA and Canada:

4241 12th Ave East, Suite 400

Shakopee, MN 55379

Toll-free: (877) 297-6937

Contact for all other regions:

Please visit our website for local contact information.