



NETpower Network Interface Card

Default Settings, Useful Parameters, and Operational Notes

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NETpower Network Interface Card

Default Settings, Useful Parameters, and other notes

- **Default IP address** is: 192.168.1.254
- **Default Username and Password** is: dnpower / dnpower
- NETpower Device Manager web interface provides **two** interface options/"flavors":

1. [Regular Interface](#)

All web pages are regular. It is compatible with any standard web browsers. It does not require any additional plug-ins.

2. [Advanced Interface](#)

It provides more attractive user interface, such as graphical meters for displaying UPS data, a calendar interface for setting up UPS schedule.
Browser requires Java Runtime Environment (JRE 1.3 or later) plug-in.

NOTE: When the NETpower card is initially accessed (and on every other page) the "Info" icon in the upper-right corner of the page provides a link to the "*Installation and Quick Start Manual For the .NETpower Card/Box*" document.

The Regular Interface displays 6 tabs labeled: *Home* | *Settings* | *Configuration* | *Log* | *Control* | *System*

[Regular Interface](#) parameters:

| To view and/or change these parameters: | Go to this tab/link: |
|--|---|
| UPS Firmware version | <i>Regular Interface/Home/ Identification Information</i> |
| Input and Output line voltages, frequencies, battery temperature and output load | <i>Regular Interface/Home/ Measured Informataion</i> |
| SNMP Community and Trap | <i>Regular Interface/Settings/ Network</i> |
| Shutdown Delay ⁽¹⁾ | <i>Regular Interface/Settings/ Shutdown</i> |
| Outlets Shutdown Delay | <i>Regular Interface/Settings/ Shutdown</i> |
| UPS Events and Actions ^{(2) (*)} | <i>Regular Interface/Configuration/ Event Actions</i> |
| Scheduled Tests & Power ON/OFF ⁽³⁾ | <i>Regular Interface/Configuration/ Schedule</i> |
| Event and Data Logs | <i>Regular Interface/Log/ Event Log or Data Log</i> |
| UPS Shutdown and Reboot | <i>Regular Interface/Control/ Shutdown and Reboot</i> |
| UPS Self Test | <i>Regular Interface/Control/ Test</i> |
| System Settings (IP address, DNS Server IP, SMTP Server IP) | <i>Regular Interface/System/Network/ TCP/IP-DNS-SMTP Server Configuration</i> |
| Date, Time, Time Zone and Time Server Config | <i>Regular Interface/System/ Date and Time</i> |
| Firmware Upgrade | <i>Regular Interface/ System/ Upgrade</i> |
| User Login and Password Maintenance | <i>Regular Interface/ System/ User</i> |

Notes for Regular Interface:

(1) **Factory default shutdown delays** are the following:

- **Shut Down System Delay:** 30 seconds
- **Outlet 1 Settings:** 0 seconds
- **Outlet 2 Settings:** 0 seconds

(2) The UPS has **16 events** for which an “action” can be configured using the Regular Interface.

These are found using: *Regular Interface/Configuration/ Event Actions.*

| | | | |
|--------------------------|------------------------------|------------------------|----------------------|
| 1. Power failure (*) | 5. Communication lost | 9. Battery bad | 13. Test in progress |
| 2. Power restore | 6. Communication established | 10. Battery replaced | 14. Test completed |
| 3. Battery low (*) | 7. Output overload (*) | 11. Shutdown started | 15. Service started |
| 4. Battery no longer low | 8. Output overload solved | 12. Shutdown completed | 16. Service stopped |

- To configure an Action, highlight the desired Event in the menu list and click the **[Select]** button.
- There are **five** configurable **Actions** for any Event:
 - Log
 - Broadcast network message
 - Send email
 - Page users
 - Shutdown

(*) ‘Shutdown’ action is enabled by factory default for the following critical events:

- Power Failure ----- Shutdown delay: 300 seconds
- Battery Low ----- Shutdown delay: 30 seconds
- Output Overload -- Shutdown delay: 30 seconds

(3) The following 9 types of events can be **scheduled** using: *Regular Interface/Configuration/ Schedule.*

1. General System Test
2. Quick Battery Test
3. Deep Battery Test
4. Turn on ups
5. Turn off ups
6. Turn on outlet 1
7. Turn off outlet 1
8. Turn on outlet 2
9. Turn off outlet 2

Configurable parameters are: *Date, Time, and Scheduled Interval.*

The Advanced Interface displays 5 tabs labeled: *Home* | *Settings* | *Configuration* | *Log* | *Control*

Advanced Interface parameters:

| To view and/or change these parameters: | Go to this tab/link: |
|--|---|
| System Block Diagram - (displays Input and Output line voltages , frequencies , battery voltage , switch state, UPS Model Number and Firmware Version.) | <i>Advanced Interface/Home (leftmost icon on page-left)</i> |
| Power Meter Display - (displays Input and Output line voltages , frequencies , battery temperature , and Load.) | <i>Advanced Interface/Home (center icon on page-left)</i> |
| Power Scope - (displays chart of Input and Output Voltages and Frequency versus Time.) | <i>Advanced Interface/Home (rightmost icon on page-left)</i> |
| SNMP Community and Trap | <i>Advanced Interface/Settings/Network</i> |
| UPS and System Shutdown Delay | <i>Advanced Interface/Settings/Shutdown</i> |
| Outlet Shutdown Delay | <i>Advanced Interface/Settings/Outlet</i> |
| UPS Events and Actions ⁽¹⁾⁽²⁾ | <i>Advanced Interface/Configuration/Event Actions</i> |
| Run a Command on an Event | <i>Advanced Interface/Configuration/Event Actions /Action: Run command file</i> |
| Schedule UPS Test, Battery Test and UPS & Outlets ON/OFF ⁽³⁾ | <i>Advanced Interface/Configuration/Schedule</i> |
| Event and Data Logs | <i>Advanced Interface/Log/Event Log or Data Log</i> |
| Shutdown and Reboot UPS | <i>Advanced Interface/Control/Control UPS</i> |
| UPS Self Test | <i>Advanced Interface/Control/Control UPS</i> |
| Turn Outlets ON/OFF (can be used to perform remote power reset on connected systems) | <i>Advanced Interface/Control/Control Outlet</i> |
| | |

Notes for Advanced Interface:

- (1) The UPS has **18 events** for which an “action” can be configured using the Advanced Interface. These are found using: *Advanced Interface/Configuration/ Event Actions.*

| | | |
|------------------------------|---------------------------|------------------------|
| 1. Power failure | 7. Output overload | 13. Shutdown started |
| 2. Power restore | 8. Output overload solved | 14. Shutdown completed |
| 3. Battery low | 9. On Bypass | 15. Test in progress |
| 4. Battery no longer low | 10. On Bypass Solved | 16. Test completed |
| 5. Communication lost | 11. Battery bad | 17. Service started |
| 6. Communication established | 12. Battery replaced | 18. Service stopped |

There are five configurable Actions for each Event listed above:

- Log
- Broadcast network message
- Send email
- Page users
- Shutdown

- (2) The Shutdown Action is enabled by factory default for the following critical Events:

- Power Failure ---- Shutdown delay: 300 seconds
- Battery Low ---- Shutdown delay: 30 seconds
- Output Overload -- Shutdown delay: 30 seconds

- (3) The following tasks can be scheduled on a Once, Daily, Weekly or Monthly basis:

- General Test
- Quick Battery Test
- Turn ON UPS
- Turn OFF UPS
- Turn ON Outlet 1
- Turn OFF Outlet 1
- Turn ON Outlet 2
- Turn OFF Outlet 2

Useful Operational Notes:

1. To connect NETpower card directly to a PC for configuration purposes, use an Ethernet crossover cable.
2. To detect NETpower cards on a LAN, run the “smconfig.exe” utility found on the CD. The CD software can also be downloaded from the Marathon website:
<http://marathon-power.com/EN/DownloadCenter/DownloadCenter.html>
3. Default user login for NETpower card is: dnpower / dnpower
4. Root user login for NETpower card is: root /synso
5. Access to menu driven configuration is via Telnet using default user login
6. To reset NETpower card to factory defaults, use Telnet and default user login. Select menu option: r) Restore Default Configuration Data
7. Access to embedded system is via Telnet using root user login.
8. Embedded system uses BusyBox and the ‘ash’ shell. See: <http://www.busybox.net/>
9. The NETpower card can also be accessed via it’s MODEM port with either a modem or a serial port on a PC. Configure the modem or serial port for 57600 bps, no parity, 8 data bits, 1 stop bit, and no flow control. A connection to a PC would require a ‘null modem’ cable and a terminal emulator program such as HyperTerminal.
10. The NETpower card version/build can be determined using the telnet interface. When you telnet into the card as either default user or root user, you get a line that describes the version of the card's software, as follows:
 - “NETpower SNMP agent adapter Configuration v3.25b (Bootloader v2)” [when login by default user]
 - “Welcome to .NETpower SNMP agent v3.25b “ [when login by root user]