

Metered ATS Command Line Interface User Guide

PDU24xxx

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Command Line Interface

Introduction

How to log on

Users can log on to the command line interface through local access (Serial port).

1. Local access to the command line interface

To log on via serial connection, the PC/server must be connected directly to the Universal port of the PDU using the included RJ45/DB9 Serial Port Connection Cable, and perform the following steps.

Step 1: Open Hyper Terminal software (eg. PuTTY, HyperTerminal, or Tera Term) on your PC and select a name and icon for the connection.

Step 2: Setup the COM port settings using the following values

*Bits per second: 9600

*Data bits: 8

*Parity: None

*Stop bits: 1

*Flow control: None

Step 3: Press Enter to enter the Authentication menu.

Step 4: Enter the user name and password of the PDU at the Authentication menu.

Note: Serial connection can only access Command Line Mode and cannot support Menu Mode.

How to use the Command Line Interface

While using the command line interface, you can also do the following:

1. To close the connection to the command line interface → Type “**exit**” and press Enter
2. To view a list of available commands or arguments → Type “?” (Eg. date ?).
3. To view the command that was typed most recently in the session → Press the UP/DOWN arrow key. (The session can remember up to ten previous commands.)
4. A command can support multiple options → To define the date as March 21, 2015 (Eg. date yyyy mm dd 21)

Command Response Codes

When the command or arguments is not recognized or is incorrect, the console interface will display [^] underneath the wrong command or argument. The following error message will be displayed:

Command not found	PDU doesn't know this command. Console interface display the list of available commands.
Parameter Error	The parameter type or format is not allowed. Console interface display the list of available value or format.

Command Lists

devsta

Description: Show device status of load and utility.

Option	Argument	Description
show		Show information of system device load and utility status.

Example 1:

To display device status

CyberPower > **devsta show**

devcfg

Description: Show and set device load threshold and reset power parameters in device level.

Option	Argument	Description
show		Show information of device configuration.
overload	<overload threshold value>	Set device overload threshold value.
nearover	<near overload threshold value>	Set device near overload threshold value.
lowload	<low load threshold value>	Set device low load threshold value.
pwrrest	peakload energy	Reset the peak load or energy of device.
idletime	1 2 3 5 10 never	Set idle time of device.

Example 1:

To display load configuration of the device

CyberPower > **devcfg show**

Example 2:

To set overload threshold at 7500W

CyberPower > **devcfg overload 7500**

Example 3:

To set near overload threshold at 5000W

CyberPower > **devcfg nearover 5000**

Example 5:

To set idle time of the device at 10 minutes

CyberPower > **devcfg idletime 10**

bankcfg

Description: Show and set bank load configuration.

Option	Argument	Description
show		Show information of bank load threshold.
index	b1 b2 all	Select bank index.
overload	<overload threshold value>	Set bank overload threshold value.
nearover	<near overload threshold value>	Set bank near overload threshold value.
lowload	<low load threshold value>	Set bank low load threshold value.

Example 1:

To display bank load configuration

CyberPower > **bankcfg show**

Example 2:

To set overload threshold of bank 1 at 15A

CyberPower > **bankcfg index b1 overload 15**

Example 3:

To set near overload threshold of bank 2 at 10A

CyberPower > **bankcfg index b2 nearover 10**

srccfg

Description: Show and set the source configuration. (For ATS Series only.)

Option	Argument	Description
show		Show information of source configuration.
prefer	<a b none>	Set device preferred source.
freqdeviation	1 2 3	Set device frequency deviation..
sensitivity	high low	Set device voltage sensitivity.
nomivol	<208 220 230 240> or <100 110 120>	Set device nominal voltage.
volrangepolicy	wide medium narrow	Set device voltage transfer range policy.
widevol	<voltage range>	Set device wide voltage transfer range.
mediumvol	<voltage range>	Set device medium voltage transfer range.
narrowvol	<voltage range>	Set device narrow voltage transfer range.

Example 1:

To display source configuration of the device

CyberPower > **srccfg show**

Example 2:

To set preferred source of the device to be Source B

```
CyberPower > srccfg prefer b
```

Example 3:

To set frequency deviation to be +/- 2Hz

```
CyberPower > srccfg freqdeviation 2
```

Example 4:

To set device voltage sensitivity to be Low

```
CyberPower > srccfg sensitivity low
```

Example 5:

To set device nominal voltage at 100V

```
CyberPower > srccfg nomivol 100
```

sys

Description: Show and configure identification of the device.

Option	Argument	Description
show		Show all system information
name	<system name>	Set name of the equipment.
location	<system location>	Set the location of power equipment.
contact	<system contact>	Set the person to contact about this equipment.
reset	reboot all	Reboot – Reboot the device all – Set all to reset the System to default setting and restart it.

Example 1:

To view all information of system

```
CyberPower > sys show
```

```
Name: PDU24001
```

```
Location: Server Room
```

```
Contact: Administrator
```

```
Model: PDU24001
```

```
Hardware Version: 1.0
```

```
Firmware Version: 0.9.3
```

Example 2:

To reset the device to default parameter.

CyberPower > **sys reset all**

login

Description: Show and configure authentication for login.

Option	Argument	Description
name	<administrator account>	Set user name of admin
passwd	<administrator password>	Set user password of admin
timeout	1~10	The period (in minutes) that the system waits before auto logging off. The range of argument is from 1 to 10 (in minutes).

Example 1:

To set system timeout time as 10 minutes.

CyberPower > **login timeout 10**

exit

Description: Close the connection to the command line interface.

Contact Information

Feel free to contact our Tech Support department with installation, troubleshooting, or general product questions.

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