POWER DISTRIBUTION UNITS

Metered ATS Command Line Interface

PDU24XXX

USER MANUAL

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How to Log On

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

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 2015 mm 3 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	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	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	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	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	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: Admainistrator
         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	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	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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