Raspberry Pi Using apcupsd

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I purchased a CyberPower UPS unit (model no. <u>CP1500AVRLCD3</u>). The issue is, where I have to use this UPS unit, there is no computer nearby so I cannot connect the UPS to a USB port. My solution is to use an existing Raspberry Pi running Debian with apcupsed installed. Also the original pwrstat utility provided by CyberPower was unavailable for ARM architectures.

I pretty well just follow the instructions specified by the following web page: <u>Using apcupsd on</u> the Raspberry Pi

All I had to do is make the following modifications to /etc/apcupsd/apcupsd.conf:

Listing 1: apcupsd.conf changes

I had to ensure that both USBCABLE and USBTYPE were set to usb.

After I restarted the daemon using the following command line:

```
$ sudo systemctl restart apcupsd
```

I was able to execute the apcaccess command in the /sbin path, which yielded the output below:

```
$ /sbin/apcaccess
APC
DATE
          : 001,032,0762
            2024-10-18 17:17:56 +0000
HOSTNAME :
            livingroom-vm
VERSION
            3.14.14 (31 May 2016) debian
                                                                                                                                                UPSNAME
            CyberPower
            USB Cable
DRIVER
           USB UPS Driver
UPSMODE
           Stand Alone
STARTTIME:
            2024-10-18 17:00:39 +0000
MODEL.
            CP1500AVRLCD3
STATUS
            ONLINE
            124.0 Volts
LOADPCT
            7.0 Percent
BCHARGE
            100.0 Percent
TIMELEFT
            145.8 Minutes
MBATTCHG
            5 Percent
MINTIMEL
            3 Minutes
MAXTIME
            0 Seconds
OUTPUTV
            124.0 Volts
            -1 Seconds
LOTRANS
            100.0 Volts
            139.0 Volts
HITRANS
ALARMDEL
NUMXFERS
           Ω
TONBATT
            0 Seconds
CUMONBATT:
           0 Seconds
XOFFBATT : N/A
SELFTEST : NO
SELFTEST
STATFLAG
            0x05000008
SERIALNO
           BHPPS2001882
NOMINV
            120 Volts
NOMPOWER :
         : 900 Watts
: 2024-10-18 17:18:29 +0000
END APC
```