

Sommario

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Testare Aurora

```
aurora -a 2 -k 364 -Y 3 /dev/ttyUSB0
aurora -a 2 -p -n -f -g -m -v -Y3 /dev/ttyUSB0
```

Manuale

v1.8.7

Uso:

```
aurora [Opzioni] Device
```

Opzioni:

| | |
|--|--|
| -A, --last-alarms cleared) | Get last four alarms (once displayed FIFO queue is |
| -b, --verbose the first option | Verbose mode. For maximum effectiveness should be |
| | on the command line |
| -C, --calc-value=<num[:\$]> optional and if | Calculate monetary value using <num> * kWh. ":\$" is |
| will be used to | included the character(s) represented by the "\$" |
| "\$" | denote monetary type in the output. Defaults to |
| -c, --columnize t, & -T options | Output data in columns --> for -d, -e, -D, -3, -E, - |
| ends with an | only will disable any other options -- if value |
| inverters firmware | "*" reporting of that item may not be in |
| -d <num>, --get-dsp=<num> 0 indicates both | Get DSP data <num> indicates string to get data for. |
| is required for | 1 for only string 1, 2 for only string 2. <num> |
| option and if omitted | short option and <num> is optional for long |

for long option data for both input strings will be retrieved

-D, --get-dsp-extended Get more DSP data

-3, --get-dsp-3phase Get 3-Phase DSP data

-e, --get-energy Get Cumulated Energy readings (Excluding Central)

-E <num>, --get-energy-central=<num> Get Cumulated Float Energy readings (Central&TRIO only) <num> days

1 to 366 Default 366 <num> is required for short option and optional

for long option

-f, --firmware-ver Query for Firmware Version string

-g, --mfg-date Query for Inverter Manufacturing Date

-h, --help This text

-i, --get-count=<bitmask> Display Inverter Time Counters <bitmask> is required for short option

is optional for long option and if omitted for counters will be displayed and Partial counter

1 = "Total Run Time" 4 = "Grid Connection Time"

2 = "Partial Run Time" 8 = "Reset Partial Run Time"

-j, --get-joules Display Energy cumulated in the last 10 seconds

-K, --use-kmult=<num> Adjust vaules reported by -k, --daily-kwh by "<num>" multiplier

-k <num>, --daily-kwh=<num> Get past daily kWh for <num> days (1-366) <num> is required for short option and optional for long option

and if omitted for long option then all 366 days are found will be displayed

-L <num>, --adjust-time=<num> Automatically adjust the inverter time if it differs from the computer time. If <num> is 0 (zero) do a Daylight Savings Time check. If <num> is>= 1 change the inverter time if it differs by <num> or more seconds. See the README for more information

and constraints

-l <num>, --read-wait=<num> Timeout for the read to the serial port. <num> in 1/10ths seconds. Default is 1 (0.1 sec). See the README file for important information on this option

-M <num>, --max-runtime=<num> Maximum amount of time in seconds that aurora will run trying to get data from the inverter

-m, --get-conf Query for Inverter System Configuration

-n, --serial-number Query for Inverter Serial Number

-N <num>, --central=<num> Indicates Aurora Central ** Experimental ** 0 indicates Master, 1 indicates Slave

-o, --output-file=<filename> Append data to file (Created if nonexistant) Note: If -c option is used only -d, -e, -D, -3, -E, -t, & -T options

will output to file

-O, --part-number-central Query for Inverter Part Number (Central only)

-p, --part-number Query for Inverter Part Number

-P <num>, --comm-pause=<num> Wait <num> us between sending commands to inverter (1-1000000)

-Q, --use-qmult Use inverter specific multiplier if known to adjust values reported

by -q, --energy-sent

-q <num>, --energy-sent=<num> Get past energy delivered to the grid **

Experimental **

in 10 second intervals for <num> minutes

(1-1440). <num> is

optional for long option and if omitted all data, ~24 hours

worth will be reported. It is suggested the -Y option be used

this could take.

See the README file for important information on this option

-R <num>, --read-timeout=<num> Serial port read retry timeout value when reading a character from

the Inverter (mS - minimum 200) See the README file for

important information on this option

-r, --calc-grid-power Calc Grid power using Grid Voltage * Grid Current, instead of

reporting the Inverter's value. --> for -d option only,

ignored when used with -c option (Inverter typically reports a

lower value. This affects Inverter conversion efficiency value.)

-S, --set-time Set Inverter Date/Time to system time

-s, --get-state Get Inverter State

-T, --get-loctime Display computer Date/Time

-t, --get-invtime Display Inverter Date/Time

-V, --version Aurora communications program version

-v, --inv-version Query for Version string

-U <num>, --read-pause=<num> Pause <num> milli-seconds after sending command to inverter before

reading response from inverter (1-10000)

-u, --rpt-read-pause Report when/that pausing before read

-W, --swap-endian Swap Endianness

-w <num>, --lock-wait=<num> Seconds to wait to lock serial port. (1-30)

-X, --rts-cts Enable RTS/CTS on the serial port.

-x, --xon-xoff Enable XON/XOFF on the serial port.

-Y <num>, --retries=<num> Retry failed communications with inverter up to <num> times (1-100)

-y, --rpt-retries Report the number of retries done

Parametri obbligatori

-a <num>, --address=<num> Inverter address. 1-31 on older inverters, 1-63 on newer inverters.

Device Serial Device.

Fonte:
Wiki - Progetti

Autore:
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Ultimo aggiornamento: **2023/09/02 09:40**

