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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
```

Aggiornamento manuale 123solar

[https://github.com/jeanmarc77/123solar/wiki/2\)-Help](https://github.com/jeanmarc77/123solar/wiki/2)-Help)

<https://github.com/jeanmarc77/123solar/tree/7112dd3e549389eaaa799fd52796a5f786b36cfa>

Manuale

v1.8.7

Uso:

```
aurora [Opzioni] Device
```

Opzioni:

-A, --last-alarms cleared)	Get last four alarms (once displayed FIFO queue is cleared)
-b, --verbose the first option	Verbose mode. For maximum effectiveness should be on the command line
-C, --calc-value=<num[:\$]> optional and if will be used to "\$"	Calculate monetary value using <num> * kWh. ":\$" is included the character(s) represented by the "\$" denote monetary type in the output. Defaults to
-c, --columnize t, & -T options ends with an	Output data in columns --> for -d, -e, -D, -3, -E, - only will disable any other options -- if value

```

inverter's firmware
-d <num>, --get-dsp=<num>
0 indicates both
is required for
option and if omitted
be retrieved
-D, --get-dsp-extended
-3, --get-dsp-3phase
-e, --get-energy
-E <num>, --get-energy-central=<num>
(Central&TRIO only) <num> days
option and optional
-f, --firmware-ver
-g, --mfg-date
-h, --help
-i, --get-count=<bitmask>
for short option
long option then all
will be reset
Time"
Time"
-j, --get-joules
-K, --use-kmult=<num>
multiplier
-k <num>, --daily-kwh=<num>
for long option
or as many that
-L <num>, --adjust-time=<num>
from the
Savings Time
if it differs
information
-l <num>, --read-wait=<num>
1/10ths seconds.
important
-M <num>, --max-runtime=<num>
run trying to

```

"*" reporting of that item may not be in
 Get DSP data <num> indicates string to get data for.
 1 for only string 1, 2 for only string 2. <num>
 short option and <num> is optional for long
 for long option data for both input strings will
 Get more DSP data
 Get 3-Phase DSP data
 Get Cumulated Energy readings (Excluding Central)
 Get Cumulated Float Energy readings
 1 to 366 Default 366 <num> is required for short
 for long option
 Query for Firmware Version string
 Query for Inverter Manufacturing Date
 This text
 Display Inverter Time Counters <bitmask> is required
 is optional for long option and if omitted for
 counters will be displayed and Partial counter
 1 = "Total Run Time" 4 = "Grid Connection
 2 = "Partial Run Time" 8 = "Reset Partial Run
 Display Energy cumulated in the last 10 seconds
 Adjust vaules reported by -k, --daily-kwh by "<num>"
 Get past daily kWh for <num> days (1-366)
 <num> is required for short option and optional
 and if omitted for long option then all 366 days
 are found will be displayed
 Automatically adjust the inverter time if it differs
 computer time. If <num> is 0 (zero) do a Daylight
 check. If <num> is>= 1 change the inverter time
 by <num> or more seconds. See the README for more
 and constraints
 Timeout for the read to the serial port. <num> in
 Default is 1 (0.1 sec). See the README file for
 information on this option
 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
                        with this due to the extensive length of time
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>
newer inverters.

Inverter address. 1-31 on older inverters, 1-63 on

Device

Serial Device.

Fonte:

Wiki - Progetti

Autore:

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Ultimo aggiornamento: **2023/05/05 01:55**

