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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 =====

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 inverters firmware	Output data in columns --> for -d, -e, -D, -3, -E, - only will disable any other options -- if value "*" 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. 1 for only string 1, 2 for only string 2. <num>

is required for short option and <num> is optional for long option and if omitted 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 long option then all counters will be displayed and Partial counter will be reset

Time" 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 or as many that 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> If -c option is will output to file	Append data to file (Created if nonexistent) Note: used only -d, -e, -D, -3, -E, -t, & -T options
-O, --part-number-central	Query for Inverter Part Number (Central only)
-p, --part-number	Query for Inverter Part Number
-P <num>, --comm-pause=<num> (1-1000000)	Wait <num> us between sending commands to inverter
-Q, --use-qmult values reported	Use inverter specific multiplier if known to adjust by -q, --energy-sent
-q <num>, --energy-sent=<num> Experimental ** (1-1440). <num> is ~24 hours option be used this could take. this option	Get past energy delivered to the grid ** in 10 second intervals for <num> minutes optional for long option and if omitted all data, worth will be reported. It is suggested the -Y with this due to the extensive length of time See the README file for important information on
-R <num>, --read-timeout=<num> character from file for	Serial port read retry timeout value when reading a the Inverter (mS - minimum 200) See the README important information on this option
-r, --calc-grid-power instead of only, typically reports a efficiency value.)	Calc Grid power using Grid Voltage * Grid Current, reporting the Inverter's value. --> for -d option ignored when used with -c option (Inverter lower value. This affects Inverter conversion
-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> inverter before	Pause <num> milli-seconds after sending command to 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> <num> times (1-100)	Retry failed communications with inverter up to
-y, --rpt-retries	Report the number of retries done

Parametri obbligatori

-a <num>, --address=<num>
newer inverters.
Device

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

Fonte:
Wiki - Progetti

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