

Sommario

Comandi per 123Solar

Aurora

Link

Aggiornamento libreria HC

Testare Aurora

Manuale

3

3

3

3

3

3

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Link

Autore [Curtronics](#)

Download versione [1.9.0](#)

Aggiornamento libreria HC

Per aggiornare la libreria andare in `var/www/123solar/scripts` e aggiornare le seguenti righe nel file `links.php`

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>      Get DSP data <num> indicates string to get data for.
0 indicates both                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                  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)
for long option                <num> is required for short option and optional
or as many that                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 nonexistent) 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-ivtime	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.
Device

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

Fonte:
Wiki - Progetti

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Ultimo aggiornamento: **2023/05/01 19:44**

