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Aurora

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`

```
$HC = "https://code.highcharts.com/highcharts.js";  
$HCmore = "https://code.highcharts.com/highcharts-more.js";
```

E modificateli come segue:

```
$HC = "https://code.highcharts.com/10.3.2/highcharts.js";  
$HCmore = "https://code.highcharts.com/10.3.2/highcharts-more.js"
```

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 cleared)
-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 included the character(s) represented by the "\$"
will be used to	

denote monetary type in the output. Defaults to "\$"

-c, --columnize Output data in columns --> for -d, -e, -D, -3, -E, -t, & -T options

only will disable any other options -- if value ends with an

"*" reporting of that item may not be in

inverters firmware

-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

Time"

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

Time"

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

-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.

important

-M <num>, --max-runtime=<num>
run trying to

-m, --get-conf

-n, --serial-number

-N <num>, --central=<num>

-o, --output-file=<filename>
If -c option is

will output to file

-O, --part-number-central

-p, --part-number

-P <num>, --comm-pause=<num>
(1-1000000)

-Q, --use-qmult
values reported

-q <num>, --energy-sent=<num>
Experimental **

(1-1440). <num> is

~24 hours

option be used

this could take.

this option

-R <num>, --read-timeout=<num>
character from

file for

-r, --calc-grid-power
instead of

only,

typically reports a

efficiency value.)

-S, --set-time

-s, --get-state

-T, --get-loctime

-t, --get-ivtime

-V, --version

-v, --inv-version

-U <num>, --read-pause=<num>
inverter before

Default is 1 (0.1 sec). See the README file for

information on this option

Maximum amount of time in seconds that aurora will
get data from the inverter

Query for Inverter System Configuration

Query for Inverter Serial Number

Indicates Aurora Central ** Experimental **

0 indicates Master, 1 indicates Slave

Append data to file (Created if nonexistant) Note:

used only -d, -e, -D, -3, -E, -t, & -T options

Query for Inverter Part Number (Central only)

Query for Inverter Part Number

Wait <num> us between sending commands to inverter

Use inverter specific multiplier if known to adjust

by -q, --energy-sent

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

Serial port read retry timeout value when reading a

the Inverter (mS - minimum 200) See the README

important information on this option

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

Set Inverter Date/Time to system time

Get Inverter State

Display computer Date/Time

Display Inverter Date/Time

Aurora communications program version

Query for Version string

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

Fonte:
Wiki - Progetti

Autore:
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Ultimo aggiornamento: **2023/05/01 19:46**

