

# Package: microinverterdata (via r-universe)

October 4, 2024

**Type** Package

**Title** Collect your Microinverter Data

**Version** 0.1.0.9000

**Description** Collect and normalize local microinverter energy and power production data through off-cloud API requests. Currently supports 'APSystems' microinverters.

**License** MIT + file LICENSE

**BugReports** <https://github.com/camembr/microinverterdata/issues>

**URL** <https://camembr.github.io/microinverterdata/>

**Encoding** UTF-8

**LazyData** true

**Imports** cli, dplyr, glue, httr2, purrr, readr, rlang, tidyr, units

**RoxygenNote** 7.3.2

**Suggests** httptest2, knitr, lubridate, pins, rmarkdown, tibble, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**VignetteBuilder** knitr

**Repository** <https://camembr.r-universe.dev>

**RemoteUrl** <https://github.com/camembr/microinverterdata>

**RemoteRef** HEAD

**RemoteSha** d5b04764b57eb5bd51301b01a0e56a7d91e3ce1c

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| get_alarm | <i>Get inverter device alarms</i> |
|-----------|-----------------------------------|

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**Description**

Get inverter device alarms

**Usage**

```
get_alarm(device_ip, model = "APSystems")
```

**Arguments**

|           |   |
|-----------|---|
| device_ip | list or vector of devices IP address                                |
| model     | the inverter device model. Currently only "APSystems" is supported. |

**Value**

a dataframe with one row of device information per 'device\_id' answering the query.

**Examples**

```
## Not run:  
get_alarm(c("192.168.0.12", "192.168.0.230"))  
  
## End(Not run)
```

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|                 |  |
|-----------------|--|
| get_device_info | <i>Get inverter device information</i> |
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**Description**

Get inverter device information

**Usage**

```
get_device_info(device_ip, model = "APSystems")
```

**Arguments**

|           |   |
|-----------|---|
| device_ip | list or vector of devices IP address                                |
| model     | the inverter device model. Currently only "APSystems" is supported. |

**Value**

a data-frame with one row of device information per 'device\_id' answering the query.

**Examples**

```
## Not run:  
get_device_info(c("192.168.0.12", "192.168.0.230"))  
  
## End(Not run)
```

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|                 |                                 |
|-----------------|---------------------------------|
| get_output_data | <i>Get inverter output data</i> |
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**Description**

Get inverter output data

**Usage**

```
get_output_data(device_ip, model = "APSystems")
```

**Arguments**

device\_ip      list or vector of devices IP address  
model          the inverter device model. Currently only "APSystems" is supported.

**Value**

a dataframe with one row of device output power and energy per 'device\_id' / 'inverter' combination.

**Examples**

```
## Not run:  
get_output_data(c("192.168.0.12", "192.168.0.230"))  
  
## End(Not run)
```

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|                 |                                      |
|-----------------|--------------------------------------|
| query_ap_device | <i>AP System single device query</i> |
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**Description**

AP System single device query

**Usage**

```
query_ap_device(device_ip, query)
```

**Arguments**

device\_ip      IP address of the APSystem device  
 query          the API query string

**Value**

a data-frame with a 'device\_id' column and the '\$data' turned into as many columns as expected

**Examples**

```
## Not run:
query_ap_device(device_ip = "192.168.0.234", query = "getDeviceInfo")

## End(Not run)
```

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query\_ap\_devices      *AP System multi-device query*

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**Description**

AP System multi-device query

**Usage**

```
query_ap_devices(device_ip, query)
```

**Arguments**

device\_ip      list or vector of each APSystem device IP address  
 query          the API query string

**Value**

a data-frame with a row for each 'device\_id', and the '\$data' turned into as many columns as expected

**Examples**

```
## Not run:
query_ap_devices(device_ip = c("192.168.0.234", "192.168.0.235"),
                 query = "getDeviceInfo"
                 )

## End(Not run)
```

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