**Site Data API**

**Site List**

Description: Returns a list of sites related to the given token, which is the account api\_key. This API accepts parameters for convenient search, sort and pagination.

URL: */sites/list*

Example URL (with all options):

<https://monitoringapi.solaredge.com/sites/list?size=5&searchText=Lyon&sortProperty=name&sortOrder=ASC&api> key=*L4QLV Q1LOKCQX2193VSEICXW61NP6B1O*

**Site Details**

Description: Displays the site details, such as name, location, status, etc.

URL: */site/{siteId}/details*

Example URL: [https://monitoringapi.solaredge.com/site/1/details?apikey=](https://monitoringapi.solaredge.com/site/1/details?apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)*L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Data: Start and End Dates**

**Description: Return the energy production start and end dates of the site.**

**URL: */site/{siteId}/dataPeriod***

**Example URL:** [**https://monitoringapi.solaredge.com/site/1/dataPeriod?apikey=**](https://monitoringapi.solaredge.com/site/1/dataPeriod?apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)***L4QLVQ1LOKCQX2193VSEICXW61NP6B1O***

**Site Data: Bulk Version**

Description: This section describes the use of the above API for a bulk call.

URL: */sites/(siteId 1),(siteId 2),...,(siteId n)/dataPeriod*

Example URL:[*https://monitoringapi.solaredge.com/sites/1,4/dataPeriod?apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*](https://monitoringapi.solaredge.com/sites/1,4/dataPeriod?apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)

**Site Energy**

Description: Return the site energy measurements.   
URL: /*site/{siteId}/ energy*

Example URL:[*https://monitoringapi.solaredge.com/site/1/energy*](https://monitoringapi.solaredge.com/site/1/energy?timeUnit=DAY&endDate=2013-05-30&startDate=2013-05-01&api)?*timeUnit=DAY&endDate=2013-05-30&startDate=2013-05-01&api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Energy: Bulk Version**

Description: This section describes the use of that the above API for a bulk call.

URL: */sites/(siteId 1),(siteId 2),...,(siteId n)/ energy*

Example URL:[*https://monitoringapi.solaredge.com/sites/1,4/energy?*](https://monitoringapi.solaredge.com/sites/1,4/energy?) *timeUnit=DAY&startDate=2013-05-01&endDate=2013-05-30&api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Energy** – **Time Period**

Description: Return the site total energy produced for a given period.   
URL: /*site/{siteId}/timeFrameEnergy*

Example URL: [https://monitoringapi.solaredge.com/site/1/timeFrameEnergy](https://monitoringapi.solaredge.com/site/1/timeFrameEnergy?startDate=2013-05-01&endDate=2013-05-06&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)*?startDate=2013-05-01&endDate=2013-05-06&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

API Description



**Site Energy – Time Period: Bulk Version**

Description: This section describes the use of that the above API for a bulk call.   
URL: */sites/(siteId 1),(siteId 2),...,(siteId n)/timeFrameEnergy*

Example URL:[*https://monitoringapi.solaredge.com/sites/1,4/energy?timeFrameEnergy*](https://monitoringapi.solaredge.com/sites/1,4/energy?timeFrameEnergy?startDate=2013-05-01&endDate=2013-05-06&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)?startDate=2013-05-01&endDate=2013-05-06*&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Power**

Description: Return the site power measurements in 15 minutes resolution.   
URL: /*site/{siteId}/ power*

Example URL: [https://monitoringapi.solaredge.com/site/1/power](https://monitoringapi.solaredge.com/site/1/power?startTime=2013-05-5%252011:00:00&endTime=2013-05-05%252013:00:00&api)*?startTime=2013-05-5%2011:00:00&endTime=2013-05-05%2013:00:00&api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Power: Bulk version**

Description: This section describes the use of that the above API for a bulk call.   
URL: ***/sites/(siteId 1),(siteId 2),...,(siteId n)/power***

Example URL: [https://monitoringapi.solaredge.com/sites/1,4/](https://monitoringapi.solaredge.com/sites/1,4/power?startTime=2013-06-04)*p*ower?startTime=2013-06-04 11:00:00&endTime=2013-06-04 14:00:00*&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Site Overview**

**Description: Display the site overview data.**

**URL: /*site/{siteId}/ overview***

**Example URL: https://monitoringapi.solaredge.com/ site/{siteId}/overview *?api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O***

**Method: GET**

**Site Overview: Bulk Version**

Description: This section describes the use of that the above API for a bulk call.

URL: */sites/(siteId 1},(siteId 2},...,{siteId n}/overview*

Example URL:[*https://monitoringapi.solaredge.com/sites/1,4/overview&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*](https://monitoringapi.solaredge.com/sites/1,4/overview&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)

**Site Power - Detailed**

Description: Detailed site power measurements from meters such as consumption, export (feed-in), import (purchase), etc.

Note: Calculated meter readings (also referred to as "virtual meters"), such as self-consumption, are calculated using the data measured by the meter and the inverters.

URL: */site/{siteId}/powerDetails*

**Site Energy - Detailed**

Description: Detailed site energy measurements from meters such as consumption, export (feed-in), import (purchase), etc.

Note: Calculated meter readings (also referred to as "virtual meters"), such as self-consumption, are calculated using the data measured by the meter and the inverters.

URL: */site/{siteId}/energyDetails*

**Site Power Flow**

Description: Retrieves the current power flow between all elements of the site including PV array, storage (battery), loads (consumption) and grid.

Note: Applies when export , import and consumption can be measured.

URL: */site/{siteId}/currentPowerFlow*

**Storage Information**

Description: Get detailed storage information from batteries: the state of energy, power and lifetime energy.

Note: Applicable to systems with batteries.

URL: */site/{siteId}/storageData*

**Site Image**

**Description: Display the site image as uploaded by the user.   
URL: /*site/(siteId)/siteImage/(name)***

**Site Environmental Benefits**

Description: Returns all environmental benefits based on site energy production: CO2 emissions saved, equivalent trees planted, and light bulbs powered for a day.

URL: */site/{siteId}/envBenefits*

Example:[*https://monitoringapi.solaredge.com/*](https://monitoringapi.solaredge.com/site/2/envBenefits?systemUnits=Imperial&apikey)site/2/envBenefits?systemUnits=Imperial&apikey *=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Installer Logo Image**

Description: Return the site installer logo image as uploaded by the user. If such an image does not exist, the account installer logo is returned.

URL: /*site/(siteId)/installerImage/(name)*

**Site Equipment API**

**Components List**

**Description: Return a list of inverters/SMIs in the specific site.   
URL: */equipment/{siteId}/list***

**Example URL (with all options):**

[**https://monitoringapi.solaredge.com/equipment/2/list**](https://monitoringapi.solaredge.com/equipment/2/list?api)***?api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O***

**Inventory**

Description: Return the inventory of SolarEdge equipment in the site, including inverters/SMIs, batteries, meters, gateways and sensors.

URL: */site/{siteId}/inventory*

Example URL (with all options):

[https://monitoringapi.solaredge.com/site/2/inventory](https://monitoringapi.solaredge.com/site/2/inventory?api)*?api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Inverter Technical Data**

Description: Return specific inverter data for a given timeframe.   
URL: */equipment/(siteId) /(serialNumber)/data*

Example URL (with all options): [https://monitoringapi.solaredge.com/equipment/2 /12345678-90/data](https://monitoringapi.solaredge.com/equipment/2/12345678-90/data?startTime=2013-05-5%252011:00:00&endTime=2013-05-05%252013:00:00&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O)*?startTime=2013-05-5%2011:00:00&endTime=2013-05-05%2013:00:00&apikey=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Equipment Change Log**

Description: Returns a list of equipment component replacements ordered by date. This method is applicable to inverters, optimizers, batteries and gateways.

URL: */equipment/(siteId)/(serialNumber)/changeLog*

Example URL (with all options):

[*https://monitoringapi.solaredge.com/equipment/2/1234567-38/changeLog?api*](https://monitoringapi.solaredge.com/equipment/2/1234567-38/changeLog?api) *key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Account List API**

Description: Return the account and list of sub-accounts related to the given token. This API accepts parameters for convenient search, sorting and pagination.

URL: */accounts/list*

Example URL (with all options):

[https://monitoringapi.solaredge.com/accounts/list?size=5&searchText=someText&sortProperty=name&sortOrder=ASC](https://monitoringapi.solaredge.com/accounts/list?size=5&searchText=someText&sortProperty=name&sortOrder=ASC&apike)*&apike y=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Get Meters Data**

Description: Returns for each meter on site its lifetime energy reading, metadata and the device to which it’s connected to. URL: /site/**{siteId}**/meters

Example:[*https://monitoringapi.solaredge.com/site/2/meters?meters=Production,Consumption&startTime=2013-05-5%2011:00:00&endTime=2013-05-05%2013:00:00&api*](https://monitoringapi.solaredge.com/site/2/meters?meters=Production,Consumption&startTime=2013-05-5%252011:00:00&endTime=2013-05-05%252013:00:00&api) *key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Get Sensor List**

Description: Returns a list of all the sensors in the site, and the device to which they are connected.

URL: /equipment/**{siteId}**/sensors

Example: [https://monitoringapi.solaredge.com/equipment/2/sensors](https://monitoringapi.solaredge.com/equipment/2/sensors?api)*?api key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Get Sensor Data**

Description: Returns the data of all the sensors in the site, by the gateway they are connected to.   
URL: /site/{siteId}/sensors?{startDate}=<timestamp>&{endDate}=<timestamp>

Example:[*https://monitoringapi.solaredge.com/site/2/sensors?startDate=2013-05-5%2011:00:00&endDate=2013-05-05%2013:00:00&api*](https://monitoringapi.solaredge.com/site/2/sensors?startDate=2013-05-5%252011:00:00&endDate=2013-05-05%252013:00:00&api) *key=L4QLVQ1LOKCQX2193VSEICXW61NP6B1O*

**Current Version**

Description: Return the most updated version number in <major.minor.revision> format.

URL: */version/current*

Example URL: [*https://monitoringapi.solaredge.com/version/current*](https://monitoringapi.solaredge.com/version/current)

**Supported Version**

Description: Return a list of supported version numbers in <major.minor.revision> format.

URL: */version/supported*

Example URL: [*https://monitoringapi.solaredge.com/version/current*](https://monitoringapi.solaredge.com/version/current)