



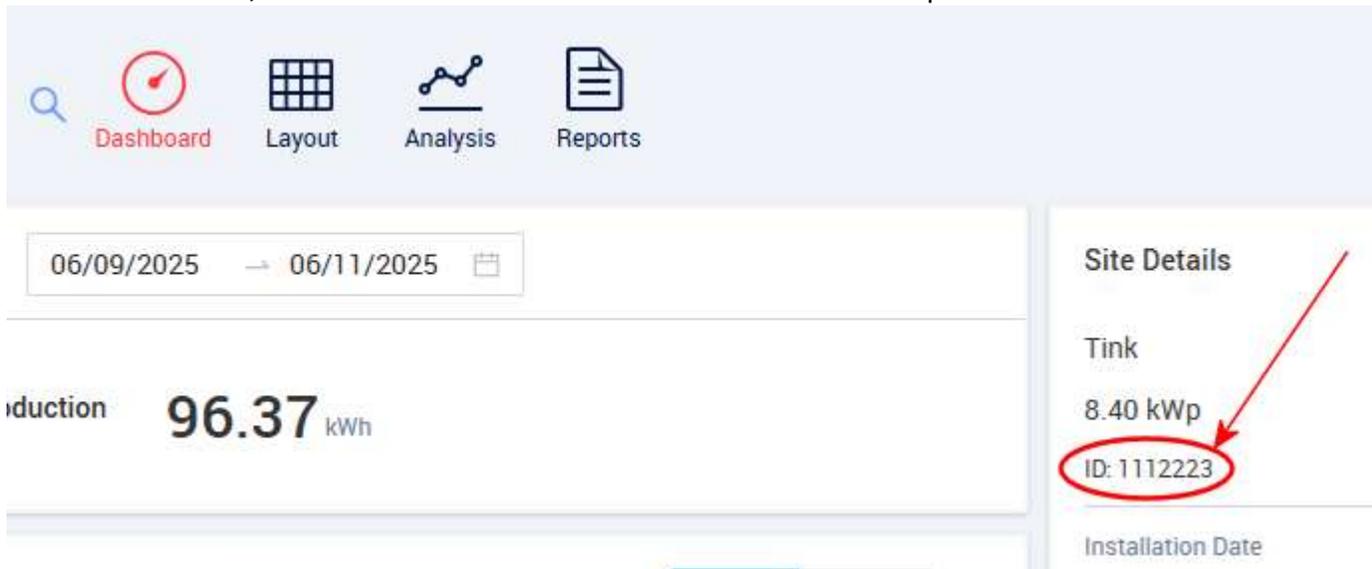
SolarEdge Monitor Plugin

Last Update: June 11, 2025

The SolarEdge Monitor Plug-in for HomeSeer uses the SolarEdge Monitor API. When your SolarEdge product updates information to the SolarEdge servers, that data is then made available to you in your SolarEdge account and through the API.

Two pieces of information are needed to use this plug-in:

Site ID: You can get this from your SolarEdge account by logging in (<https://monitoring.solaredge.com/solaredge-web/p/login>) and then under Site Details on the right-hand side of the screen, record the number next to "ID:" Here is an example:



API Key: This will require you to contact your SolarEdge dealer/installer. Your dealer/installer should grant you an API key for free, and if not, try contacting support at the SolarEdge site and asking for one from there. You will need your Site ID, and in the event of reaching out to SolarEdge they may ask you for your inverter serial number or some other piece of information that can be obtained from the SolarEdge site.

SETUP AFTER INSTALLATION

Once the plug-in is installed and enabled, it will not proceed without a Site ID and API Key, but once enabled you can access the Settings page by going to HomeSeer's Manage Plugins page, and then on the SolarEdge Monitor Plugin card, click MORE and then Settings. You will see a page like this:

Solar Edge Monitor Plugin Settings

SolarEdge Site ID
1231234

API Key from SolarEdge Dealer
E2TQ90EIEIO5GVI00FAKEV1EV04018VY

Check at least 1 hour/day for updates to be retrieved from SolarEdge. More hours, especially during solar production times, will enable more up-to-date tracking, but will require an internet connection.

Update Hours

Midnight	<input checked="" type="checkbox"/>	1AM	<input type="checkbox"/>	2AM	<input type="checkbox"/>	3AM	<input type="checkbox"/>
4AM	<input type="checkbox"/>	5AM	<input type="checkbox"/>	6AM	<input checked="" type="checkbox"/>	7AM	<input type="checkbox"/>
8AM	<input checked="" type="checkbox"/>	9AM	<input type="checkbox"/>	10AM	<input checked="" type="checkbox"/>	11AM	<input type="checkbox"/>
Noon	<input checked="" type="checkbox"/>	1 PM	<input type="checkbox"/>	2 PM	<input checked="" type="checkbox"/>	3 PM	<input type="checkbox"/>
4 PM	<input checked="" type="checkbox"/>	5 PM	<input type="checkbox"/>	6 PM	<input checked="" type="checkbox"/>	7 PM	<input type="checkbox"/>
8 PM	<input checked="" type="checkbox"/>	9 PM	<input type="checkbox"/>	10 PM	<input checked="" type="checkbox"/>	11 PM	<input type="checkbox"/>

Debug Mode Logging

On this page:

SolarEdge Site ID

Enter the Site ID from your SolarEdge account.

API Key from SolarEdge Dealer

Enter the API Key string that you obtained from your dealer/installer or SolarEdge.

Update Hours

The plug-in updates the hourly energy data and other fields each hour, but some of the information in the Site devices and Historical devices (see further down in these docs) can be updated less frequently. Select the hour(s) of the day that you wish these to be updated. At least 1 hour per day must be selected.

Debug Mode Logging

Enable this if you are asked for a debug log to solve a problem, but DO NOT leave it enabled for long. It will fill your HomeSeer log as well as create a large file in your HomeSeer **Debug Logs** directory called **SolarEdgeMon.log**

If asked to send a debug log, capture the error condition, disable debug mode, then zip up SolarEdgeMon.log and send it to the plug-in author (or post on the forum) and then delete the file to conserve space on your system.

SETUP AFTER INSTALLATION (Cont.)

CANCEL and **SAVE**

Remember to click **SAVE** after making any changes or click **CANCEL** to leave your changes (if any) unsaved.

If the plug-in was waiting for the Site ID and API Key to be entered, clicking **SAVE** will cause the plug-in to attempt to finish initializing and begin normal operation.

HOMESEER DEVICES

The plug-in will create 3 devices and a total of 42 features. Here is a description of these devices and features:

SolarEdge Historical

The historical device and associated features provide information on energy production over the lifetime of your system, so far this year, so far this month, as well as this month a year ago, this day a year ago, and the most produced any single day all time. In addition, the equivalent environmental benefits your system has generated over its lifetime are also shown. The environmental information as well as lifetime information comes from SolarEdge, the other values are calculated based on what is stored in the database that the plug-in maintains or that could be retrieved from SolarEdge. Here is a sample of this device and its features:

SolarEdge Monitor Plugin SolarEdge Monitor Plugin			
SolarEdge Historical (3263)			
 Lifetime (3289)	66.5 MWh		Today 2:48:55 PM
 This Year (3290)	5,106 kWh		Today 2:48:55 PM
 This Month (3291)	423.6 kWh		Today 2:48:55 PM
 This Month A Year Ago (3292)	434.5 kWh from 6/1/2024 to 6/11/2024		Today 2:18:54 PM
 This Day A Year Ago (3293)	29,748 Wh at 6/11/2024		Today 2:18:48 PM
 Single Day Peak All Time (3294)	15 kWh on 9/29/2020 at the 12 PM hour.		6/7/2025 1:42:10 PM
 Environment Benefits Lifetime (3295)	Gas Emissions (lb) CO2: 102,974.06 SO2: 74,410.84 NOX: 23,729.44 Trees Planted: 778.06 Light Bulbs: 201,518.27		Today 2:18:46 PM

HOMESEER DEVICES (Cont.)

SolarEdge Site

The SolarEdge site information is obtained from SolarEdge. The *Status* feature and *Last Update* feature should be monitored using a HomeSeer event to alert you to possible issues with your SolarEdge equipment. If the Status does not show Active, then there could be a problem with your inverter. If the Last Update date is not updated after a long period of time, it could indicate a problem with your inverter reporting back to the SolarEdge site – make sure other devices are updating still and if they are, contact your SolarEdge dealer for assistance. Here is an example of the Site device and features:

SolarEdge Monitor Plugin SolarEdge Monitor Plugin		
SolarEdge Site (3261)		
 Site Info (3264)	Site ID: 1112223 Account: 55 Name: Tink	6/7/2025 1:42:12 PM
 Status (3265)	Active	Today 3:03:55 PM
 Peak Power Capacity (3266)	8.4 kWp	6/7/2025 1:42:12 PM
 Date Installed (3267)	5/11/2020	6/7/2025 1:42:12 PM
 Primary Module (3268)	LG Electronics Inc., LG350N1C-V5	6/7/2025 1:42:12 PM
 Primary Module Max Power (3269)	6.3 W	6/7/2025 1:42:12 PM
 Last Update (3270)	6/11/2025	Today 12:03:51 AM

HOMESEER DEVICES (Cont.)

SolarEdge Today

The SolarEdge Today device and features are updated the most frequently during the day and provide near real-time information on your energy production. It shows the amount of energy produced each hour of the day as well as the current power being produced, the running total for today, and the amount and time of the highest amount of energy produced so far today.

Use the *Last Power Update* device to know if there are issues with the plug-in communicating with the SolarEdge site. This device shows the status and last update date and time, and the device value reflects that date and time as a value in the form yyyyMMddhhmmss – which means that you can monitor it for not changing to know if there is a problem with the system. Here is an example of this device and features:

SolarEdge Monitor Plugin SolarEdge Monitor Plugin		
SolarEdge Today (3296)		
⚙️ Current Power (3297)	6.8 kWh	Today 3:03:56 PM
⚙️ Energy at 12:00 AM (3298)	0 Wh at 12:59 AM	Today 1:03:52 AM
⚙️ Energy at 1:00 AM (3299)	0 Wh at 1:59 AM	Today 2:03:54 AM
⚙️ Energy at 2:00 AM (3300)	0 Wh at 2:59 AM	Today 3:03:54 AM
⚙️ Energy at 3:00 AM (3301)	0 Wh at 3:59 AM	Today 4:06:25 AM
⚙️ Energy at 4:00 AM (3302)	0 Wh at 4:59 AM	Today 5:06:26 AM
⚙️ Energy at 5:00 AM (3303)	0 Wh at 5:59 AM	Today 6:06:27 AM
⚙️ Energy at 6:00 AM (3304)	23 Wh at 6:59 AM	Today 7:06:28 AM
⚙️ Energy at 7:00 AM (3305)	345 Wh at 7:59 AM	Today 8:06:29 AM
⚙️ Energy at 8:00 AM (3306)	1,139 Wh at 8:59 AM	Today 9:06:32 AM
⚙️ Energy at 9:00 AM (3307)	918 Wh at 9:59 AM	Today 10:06:32 AM
⚙️ Energy at 10:00 AM (3308)	1,870 Wh at 10:59 AM	Today 11:06:33 AM
⚙️ Energy at 11:00 AM (3309)	3,013 Wh at 11:59 AM	Today 12:06:35 PM
⚙️ Energy at 12:00 PM (3310)	3,224 Wh at 12:59 PM	Today 1:06:37 PM
⚙️ Energy at 1:00 PM (3311)	3,899 Wh at 1:59 PM	Today 2:10:25 PM
⚙️ Energy at 2:00 PM (3312)	5,277 Wh at 2:59 PM	Today 3:03:56 PM
⚙️ Energy at 3:00 PM (3313)	421 Wh at 3:00 PM	Today 3:03:56 PM
⚙️ Energy at 4:00 PM (3314)		Today 12:03:52 AM
⚙️ Energy at 5:00 PM (3315)		Today 12:03:52 AM
⚙️ Energy at 6:00 PM (3316)		Today 12:03:52 AM
⚙️ Energy at 7:00 PM (3317)		Today 12:03:52 AM
⚙️ Energy at 8:00 PM (3318)		Today 12:03:52 AM
⚙️ Energy at 9:00 PM (3319)		Today 12:03:52 AM
⚙️ Energy at 10:00 PM (3320)		Today 12:03:52 AM
⚙️ Energy at 11:00 PM (3321)		Today 12:03:52 AM
⚙️ Today (3322)	20.1 kWh	Today 3:03:56 PM
⚙️ Peak Hour Today (3323)	5,277 Wh at 2:59 PM	Today 3:03:56 PM
✅ Last Power Update (3324)	OK, Last at 6/11/2025 @ 2:53:20 PM	Today 2:18:55 PM

PLUG-IN FILES

The plug-in uses or creates these files:

HomeSeer root folder (root):

hspi_SolarEdgeMon.exe and *hspi_SolarEdgeMon.exe.config*

These are the main plug-in files – the updater will install/remove these files when you install/uninstall the plug-in.

(root)\config folder

SolarEdgeMon.ini

This file is installed by the updater if it does not exist and is modified by the plug-in's settings page. When/If you uninstall the plug-in, this file is NOT removed.

(root)\data\SolarEdgeMon folder

SolarEdgeMon.db

This is the plug-in's SQLite database, and it is created when the plug-in is enabled. Do not attempt to modify this file in any way. If you use HomeSeer's built-in backup system, the plug-in will suspend updates/operations and make sure that this database file is closed so that it may be backed up successfully. You will see messages in the log letting you know that operations have been suspended because a backup is underway.

If you have a need to restore this file from a backup, please remember to shut-down the plug-in before the restore operation. Upon restart of the plug-in, missing data in the database will attempt to be downloaded from SolarEdge up to the limit of the periods of time that SolarEdge stores your site's data.

When/If you uninstall the plug-in, this file is NOT removed.

(root)\bin\SolarEdgeMon, (root)\bin\SolarEdgeMon\x86, (root)\bin\SolarEdgeMon\x64

Files in these directories are dependencies for the plug-in. Do not remove these files if the plug-in is installed.

When/If you uninstall the plug-in, these files will be removed, but due to an updater issue they are not today. If you uninstall the plug-in, you may manually remove the (root)\bin\SolarEdgeMon folder and everything beneath it.

SUPPORT

Use the HomeSeer forum to obtain support for this plug-in. I will monitor the forum and have the forum let me know when there is a new post. Will I always be super-fast at responding? Probably not always. Full disclosure, I am retired and doing this for fun and to get a little XLights or bourbon money. If you post something in the forum when I am flying to see my grandkids or off on a European vacation, there may be delays. If there is no interest in the plug-in by either users like you or even on my part down the road, then I will post the source code and let you have at it. I know not all of you are developers and some could not do well with the source code, but that is the best I can promise to keep you going if this project should wind down. If I get hit by a bus, I will leave a note for my wife to post the source code, but there is probably only a 20% chance that she will bother following those instructions!