Remote Inverter Firmware Update in the Monitoring Platform - Application Note

Revision History

- Version 2.0, December 2023: Updated text and images
- Version 1.0, October 2020: Initial release

Overview

The SolarEdge Monitoring platform enables you to perform remote firmware updates for inverters on your PV site. This capability saves significant time as site visits are not required for simple firmware updates. Updating the firmware adds value to the PV site as it includes newly released capabilities and features and helps to solve existing issues.

To learn what's included in the latest inverter firmware version, read the SolarEdge <u>Firmware</u> <u>Release Notes</u>.



NOTE

To perform remote firmware updates for inverters with a CDMA or GSM cellular connection, or an RS485 communication between a Leader and Follower inverter contact <u>SolarEdge Support</u>.

Perform a remote inverter firmware update

An inverter firmware update is performed per site and should be performed separately on each inverter on that site. The CPU, the DSP1, and the DSP2 firmware can be updated for each inverter.



NOTE

Access to **Remote Settings** is only available for account admin users.

To perform a remote firmware update:

- 1. Log in to the Monitoring Platform.
- 2. To access your site, click the **Site Name**.
- 3. Click the **Admin** view.
- 4. From the Admin menu, click Remote Settings>Firmware Update.

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(\sim)	SolarEdge Site $\$									
¢	Site Details	~	🗵 Inverter 1 (7E1308	320-B9)						
:::	Site Access	~			Inverter1 (7E1264E6-DA) Firmware Update					
~	Logical Layout				Firmware Version Installed Latest Available Version					
	Remote Settings	^			CPU 4.17.46 4.22.12					
	Grid Settings				DSP1 1.100.1610 1.100.1620					
	Firmware Update									
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- 5. If you have more than one inverter on site, select the inverter to update from the inverters list. You can only update one inverter at a time.
- 6. Under Inverter Firmware Update, click Update.

During the firmware update process, a progress bar and a status indicator are present for each component. The process may take up to 1 hour. You can exit the page at any time.

••• NOTE

If the latest inverter firmware is installed, the **Update** button is not displayed.

Firmware update results

This is an example of a Firmware Update view.

SolarEdge Site 🔍								
Site Details	~	2 Inverter 1 (7E180820-B9)						
Site Access	~	 ☑ Inverter 2 (7E178836-98) 	Inverter1 (7E1264E6-DA) Firmware Update					
Logical Layout		[⊠] Inverter 3 (7E185620-FE) ⊠ Inverter 4 (7E163521-AC)	Firmware	Version Installed	Latest Available Version			
Remote Settings	^	 ➢ Inverter 5 (7E136922-B2) ➢ Inverter 6 (7E130630-FF) 	CPU	4.17.46	4.22.12	Installing		
Grid Settings			DSP1	1.100.1610	2 100 1407	Complete Ø		
Firmware Update			The update should take about 60 minutes. If there are communication related issues, the update might take up to 24 hours					
Energy Manager								
Revenue			You can leave this page at any time					
Performance			Cancel					
	Firmware Updates History (2) 🗸							

If the firmware update is successful, the following occurs:

- The version installed, and the latest available version of the firmware match each other
- A notification email is sent to the user who initiated the update process



If the firmware update fails, a failed status is displayed next to the relevant component. To solve the issue, follow the instructions, then click **Retry**.