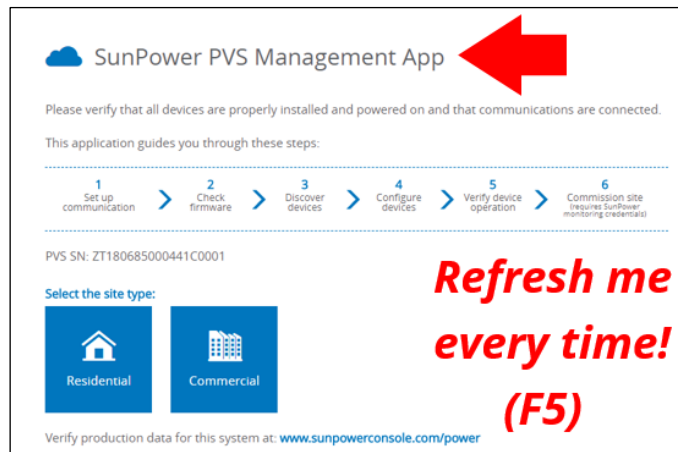


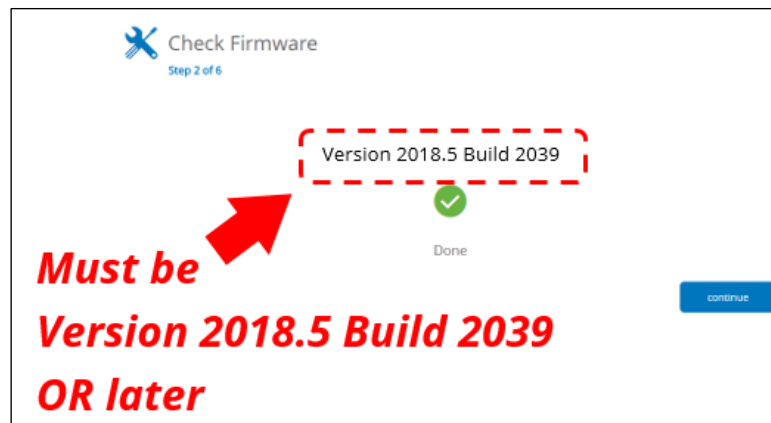
Title : Equinox™ Remote System Energize Feature **Q2 2018** (#529661)
Date : May 14, 2018
Authors : Residential Systems Integration Team
Application : Equinox installations

IMPORTANT!

Every single time you arrive at the SunPower PVS Management App page (the landing page), you must refresh the page—every time:



The Remote System Energize feature is only applicable to **Type D** AC modules, and **can only be used when the PVS5 has been updated with the latest firmware version:**



In addition, you must verify with the AHJ whether they will allow the system to remain on until the inspection; until NTP or PTO are received; or both.

Overview

SunPower now provides the ability for installers to fully install and commission Equinox systems, and then **turn off** the power production of the AC modules (leaving the breakers on) before departing the site.

This feature allows you to install and commission Equinox even if you have not yet received the Permission to Operate (PTO); or, depending on how the system was sold, the Notice to Proceed (NTP). Then, after you receive approval to begin operating the system, you can simply enable power production remotely—without having to return to the site.

This Tech Note describes how to:

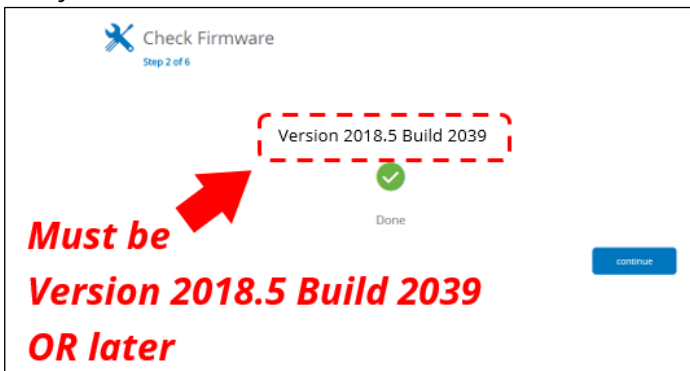
- leave power production on.
- turn power production off while at the site.
- turn power production on remotely from your office.

After you have fully installed the system, commission it as you normally would:

1. Access **sunpowerconsole.com**, wait for the page to load, **and then press F5 (refresh)**.

Important! You must refresh the page at this step!

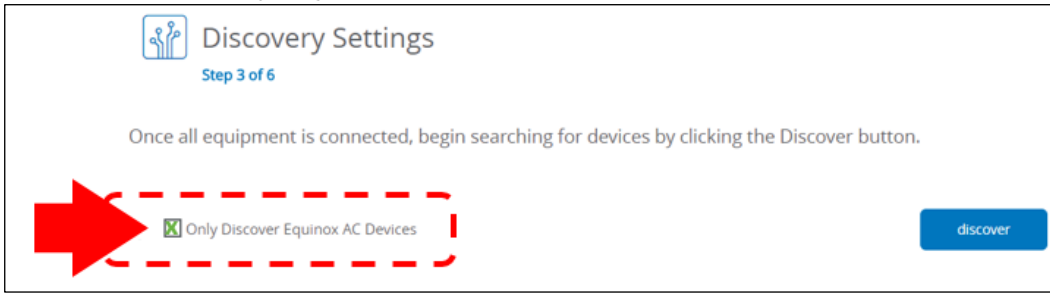
2. After you set up communication and click **continue** on the **Set Up Communication** page (Step 1 of 6), wait for the page to automatically download the firmware.
3. Verify the firmware version—it must be *Version 2018.5 Build 2039 OR later*:



(Console version on the landing page must be *v2018.05.32 OR later*.)

If you do not see this version number or later, repeat the commissioning process (a maximum of twice); if the version number is still not correct contact SunPower Technical Support at 1-855-977-7867.

- Discover devices (PVS5x, meters, and AC modules)—ensure that you select the **Only Discover Equinox AC Devices** checkbox *before* you click **discover**:



- Configure devices.

When you arrive at the **Verify Device Operation** page (Step 5 of 6), you will see the new row **AC Module Power Production** and the production switch at the bottom of the page:

Verify Device Operation
Step 5 of 6

What if a device is not communicating or producing power?

PVS	status	total power
SN: ZT160985000441D0643		4.298 kW

20 AC modules	status	power	
SN: 750052052012001		213 W	info
SN: 750052052012002		210 W	info
SN: 750052052012003		216 W	info
SN: 750052052012004		215 W	info
SN: 750052052012005		215 W	info
SN: 750052052012006		218 W	info
SN: 750052052012007		220 W	info
SN: 750052052012008		221 W	info
SN: 750052052012009		218 W	info
SN: 750052052012010		221 W	info
SN: 750052052012011		210 W	info
SN: 750052052012012		216 W	info
SN: 750052052012013		212 W	info
SN: 750052052012014		209 W	info
SN: 750052052012015		210 W	info
SN: 750052052012016		217 W	info
SN: 750052052012017		219 W	info
SN: 750052052012018		217 W	info
SN: 750052052012019		213 W	info
SN: 750052052012020		209 W	info

All AC modules are producing power

AC Module Power Production

Production is enabled. Please verify the power reading to ensure power production is enabled.

Switch is On

back continue v2018.05.32

Leave Power Production On

If you want to commission the system and then leave it on and producing power, you simply leave the production switch in the On position (its default is On), and the commissioning functionality will remain the same as it did prior to the addition of the new Remote System Energize feature.

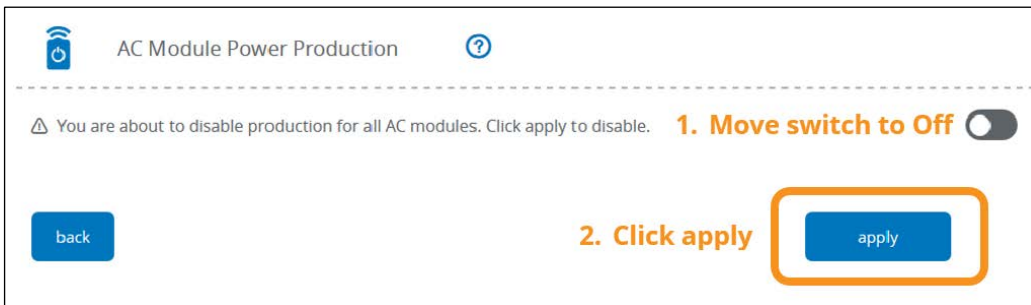
Turn Power Production Off

If you want to turn power production off before leaving the site: after you install and commission the system, turn off the power production switch **OR** open the solar system breakers. (You may do both.)

Using the power production switch will save you a truck roll.

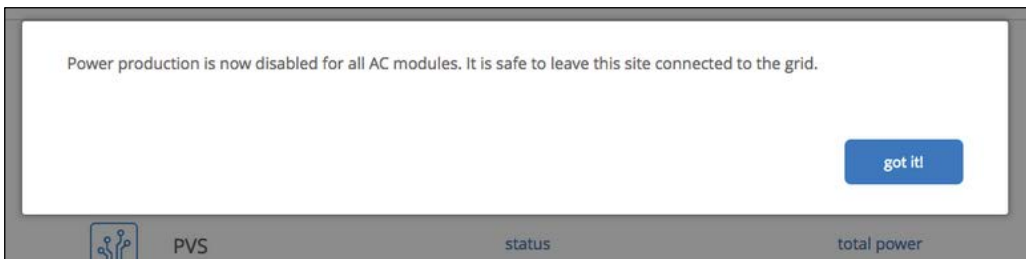
To turn off power production using the switch:

1. At the bottom of the **Verify Device Operation** page, turn off the power production switch.
2. Click **apply**:



After you click **apply**, each module will take approximately 10 seconds to comply with the turn-off command.

3. When the verification popup appears, click **got it!**



4. Wait until the **power** value for all of the AC modules is zero; and then click **continue** in the *smaller* popup window:

Verify Device Operation
Step 5 of 6

You're almost done!
Continue with these steps to commission this site:

- Identify site
- Complete module layout
- Create customer monitoring portal account

Would you like to commission the site now?

later continue

1. Verify all are 0 W →

2. Click ↓

SN	Power Production	Info
SN: 750052052012006	0 W	info
SN: 750052052012007	0 W	info
SN: 750052052012008	0 W	info
SN: 750052052012009	0 W	info
SN: 750052052012010	0 W	info
SN: 750052052012011	0 W	info
SN: 750052052012012	0 W	info
SN: 750052052012013	0 W	info
SN: 750052052012014	0 W	info
SN: 750052052012015	0 W	info
SN: 750052052012016	0 W	info
SN: 750052052012017	0 W	info
SN: 750052052012018	0 W	info
SN: 750052052012019	0 W	info
SN: 750052052012020	0 W	info

AC Module Power Production

Please wait until each value in the power column is zero before clicking continue. This may take several minutes.

back continue v2018.05.32

5. Search for the site and click the site row *if the site already exists*:

Select Site to Manage

Always search for your site before you click Create Site. Type the site name, street address, city, or state in the search field. Do not paste the full address in the field.

search (e.g. site name, address, or state) create site

Type	Site Name	Address	Status	Active Alert
	Elliot Orr	490 Mustang Drive Salem, CA 97213	✓	
	Wendy Cherish	140 Saint Drive Redding, CA 96001	✓	
	Rhett Ocasek	3111 Bartlet Dr Truckee, CA 96160	✓	
	Paul Stanley	2756 Murphy's Creek Road Truckee, CA 96161	✓	

Do not create a new site unless and until you have searched for it and determined that it does not already exist!

If the site does not exist, create a new site as you normally would:

6. Proceed with the normal commissioning flow (verify the site information, and create the module layout) until the site is successfully commissioned:

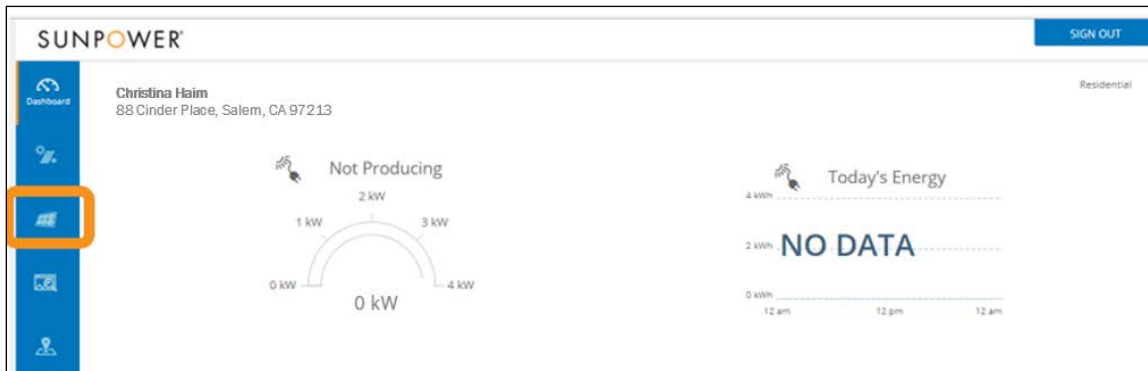
You can now depart the site and turn on power production remotely at a later date!

Turn On Power Production Remotely

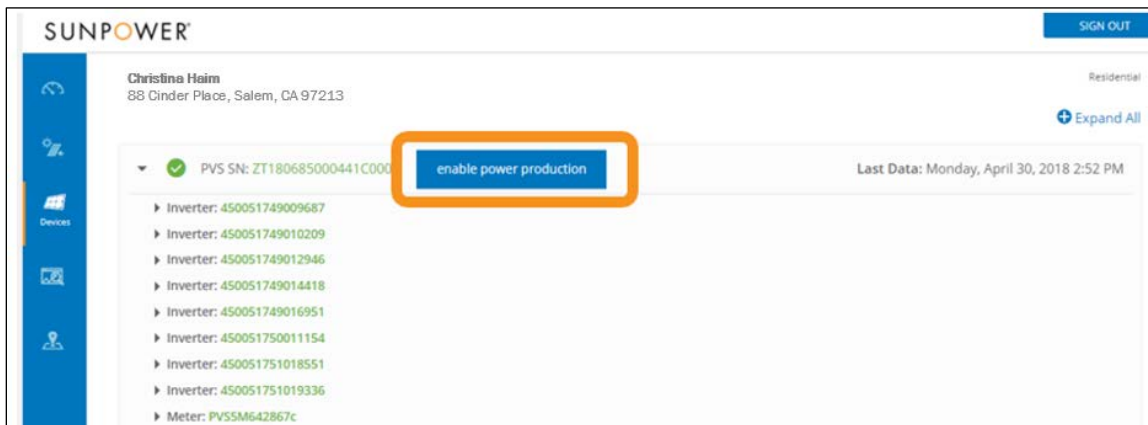
When you are ready for the system to begin producing power:

1. Access <https://pvsmgmt.us.sunpower.com>
2. Select the site at which you want to turn on power production.

3. Click its **Devices** icon:



4. Click the **enable power production** button:



Note: One **enable power production** button will be present for *each* PVS5 at the site.

5. Read the popup and then click **enable**:



6. Click **ok**:



7. The green arc in the **Now Producing** gauge indicates that the AC modules are on and are producing power:



You just saved a truck roll by remotely energizing an Equinox system!

Thank you for helping change the way our world is powered!

Phone		Email	
US & Australia	1-855-977-7867	US & Australia	technicalsupport@sunpower.com
Europe	900 808068	Spain	soportetecnico@sunpowercorp.com
	0800-1812762	Germany	technischersupport@sunpowercorp.com
	800 795 730	Italy	serviziotecnico@sunpowercorp.com
	0 805 090 808	France	supporttechnique@sunpowercorp.com
	0800 786 35	Belgium	SunPowerBenelux.TechnischeDienst@sunpowercorp.com
	0800 023 39 80	Netherlands	
	0808 281 8718	UK	techsupport.UK@sunpowercorp.com
Rest of the World		Asia Pacific	SunPower_TechSupport@sunpower.com