

# Installing Hold Down Kit in the Enphase Enpower Smart Switch

To install Hold Down kit for Eaton BR type circuit breakers in the Enphase Enpower™ smart switch, read and follow all warnings and instructions in this guide. If you do not fully understand any of the concepts, terminology, or hazards outlined in these instructions, refer installation to a qualified electrician or installer. These instructions are not meant to be a complete explanation of a renewable energy system. All installations must comply with national and local electrical codes. Professional installation is recommended.

## SAFETY

### IMPORTANT SAFETY INSTRUCTIONS

#### SAVE THESE INSTRUCTIONS

This guide contains important instructions that you must follow during installation of hold down kits for circuit breakers in the Enphase Enpower smart switch.

### Safety Instructions

	<b>DANGER:</b> Risk of electric shock. Risk of fire. Only qualified electricians should install, troubleshoot, or replace the Enpower.
	<b>DANGER:</b> Risk of electric shock. Risk of fire. Do not attempt to repair the Enpower. DO NOT REMOVE THE DEADFRONT -- NO SERVICE-ABLE PARTS. Tampering with or opening the Enpower will void the warranty. If the Enpower fails, contact Enphase Customer Support for assistance at <a href="http://enphase.com/en-us/support/contact">enphase.com/en-us/support/contact</a> .
	<b>DANGER:</b> Risk of electric shock. Do not use Enphase equipment in a manner not specified by the manufacturer. Doing so may cause death or injury to persons, or damage to equipment.
	<b>DANGER:</b> Risk of electric shock. Do not install the EP200G-NA-HD-200A Hold Down Kit without first removing AC power from the photovoltaic system and ensuring that the DC switch on the Enphase Encharge batteries are off. Disconnect the power coming from the photovoltaics and ensure that the DC switch on the Encharge batteries are off before servicing or installing.
	<b>DANGER:</b> Risk of electric shock. Risk of fire. Do not work alone. Someone should be in the range of your voice or close enough to come to your aid when you work with or near electrical equipment.
	<b>DANGER:</b> Risk of fire. Do not allow or place flammable, sparking, or explosive items near the Enpower.
	<b>DANGER:</b> Risk of electric shock. In areas where flooding is possible, install the Enpower at a height that prevents water ingress.
	<b>WARNING:</b> Before installing or using the hold down kit, read all instructions and cautionary markings in this guide and on the equipment.
	<b>WARNING:</b> Do not install or use the hold down kit if it has been damaged in any way.

### Safety and Advisory Symbols

	<b>DANGER:</b> This indicates a hazardous situation, which if not avoided, will result in death or serious injury.
	<b>WARNING:</b> This indicates a situation where failure to follow instructions may be a safety hazard or cause equipment malfunction. Use extreme caution and follow instructions carefully.
	<b>NOTE:</b> This indicates information particularly important for optimal system operation. Follow instructions carefully.

	<b>WARNING:</b> Do not sit on, step on, place objects on, or insert objects into the Enpower.
	<b>WARNING:</b> Do not place beverages or liquid containers on top of the Enpower. Do not expose the Enpower to liquids or flooding.
	<b>NOTE:</b> Perform installation and wiring, including protection against lightning and resulting voltage surge, in accordance with all applicable local electrical codes and standards.
	<b>NOTE:</b> Using unapproved attachments or accessories could result in damage or injury.
	<b>NOTE:</b> Install properly rated over current protection as part of the system installation.



# INSTALLING HOLD DOWN KIT IN THE ENPOWER SMART SWITCH



**DANGER!** Risk of electric shock. Always de-energize the Enpower before beginning the following procedure.

Follow the below steps to secure the Eaton BR type circuit breakers with the Hold down kit:

- A) Turn off power to the Enpower smart switch before installing this kit.
- B) Refer to Figure 1 and locate retainer over rectangular hole in interior backpan and outside of main bus (Locate at upper most bus stab location as shown in Figure 2).
- C) Snap-in end of retainer at interior backpan by pushing downward. It will automatically locate in pan.
- D) Install the circuit breaker onto bus.

**CAUTION:** Do not scratch, nick, bend or otherwise damage bus.

- E) Assemble #5-20 screw into hole in breaker. Thread into retainer and tighten. Torque screw to 13 lb-in (1.5Nm).

