

Sigen Energy Gateway Home Product Change Notice (PCN)

Abstract

To optimize the use and operation of the Sigen Energy Gateway sold in Africa and APAC regions, the bypass switch in the new version has been upgraded, providing dual-layer security guarantees. The shell has been designed to be more aesthetically pleasing, and make wiring easier.

PCN Basic Information

Number	PCN2025001		
Manufacturer	Sigenergy Technology Co., Ltd.		
Product Code	Product Model	CRM Update	Switching Time
11110006	Sigen Gateway Home SP 12K	-	2025/1/30
11110007	Sigen Gateway Home TP 30K	-	2025/1/30

There are no changes for the product codes

Note: Estimated date is only for reference, please refer to the actual order, delivery, and warranty.

Background

Sigenenergy is committed to producing products that meet the needs of global customers. Sigen Energy Gateway, as a critical device in off-grid solutions, has enhanced both the user experience and its appearance.

- Upgrade bypass switch.** To further improve the stability of home energy use, the new version of the Energy Gateway has upgraded the bypass switch. Building on the existing software protection, it achieves dual-layer security protection with both hardware and software, making electricity use safer.
- Upgraded the grounding copper.** Provide customers with more positions to connect the PE wire, facilitating them to customize the wiring as needed.
- A more elegant design.** We've optimized the overall exterior design, particularly the bottom terminals, to make the product more aesthetically pleasing and better integrated into households.
- Wiring has become much easier.** In the new version, you only need to unscrew the plug at the bottom terminal to introduce the wire. In contrast, with the old version, you had to manually measure the wire diameter and cut an appropriate length with a knife.

Affected systems and other products

N/A.


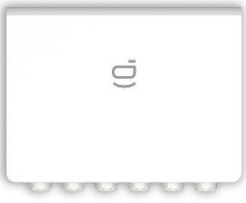


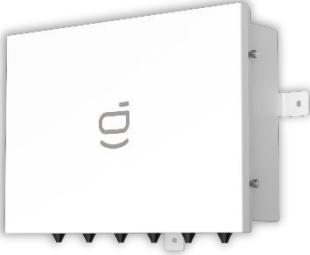

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Description of Changes

1. Specification, Dimensions and Weight

Product model	Parameter type	Before	After
Sigen Gateway Home SP 12K Sigen Gateway Home TP 30K	Dimensions (W/H/D, mm)	546 / 380 / 165	495 / 370 / 167
Sigen Gateway Home SP 12K	Weight (kg)	8.5	12.5
Sigen Gateway Home TP 30K	Weight (kg)	10	13.5

2. Appearance

Product View	Before	After
Front		
Left		
Right		

*There exist intermediate versions during the version evolution of Gateway Home. Please take the actually received goods as the standard.

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Product View	Before	After
Terminal		

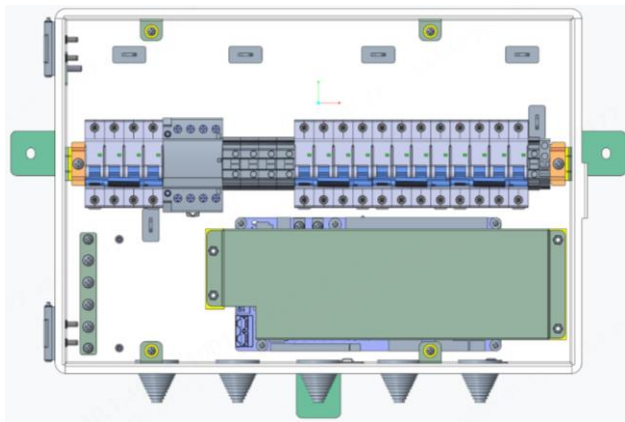
3. External interfaces

No change

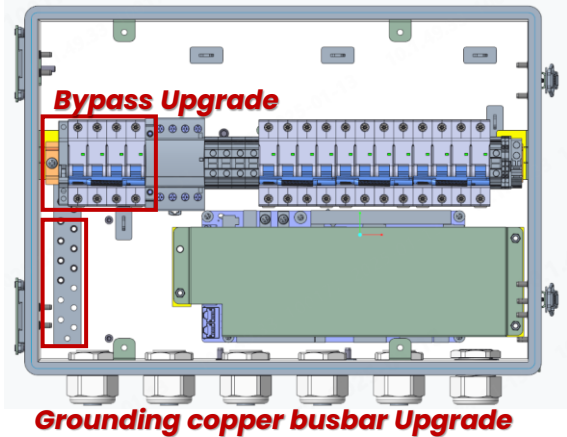
4. Internal Changes

Three Phase as an example

Before



After



The old-version Gateway Home comes with a Bypass switch and software safeguards. These features effectively prevent the Bypass switch from unintended activating during off - grid operation, thus averting the back-flow of solar energy into the grid and the subsequent occurrence of the islanding effect.

The new-version Gateway Home builds upon the existing software-based protection by **incorporating additional hardware-based protection**. This dual-layer approach of hardware-software protection offers comprehensive security for off-grid power utilization.

We have also upgraded the Grounding copper busbar to provide customers with more positions to connect the PE wire, facilitating them to customize the wiring as needed.

*There exist intermediate versions during the version evolution of Gateway Home. Please take the actually received goods as the standard.

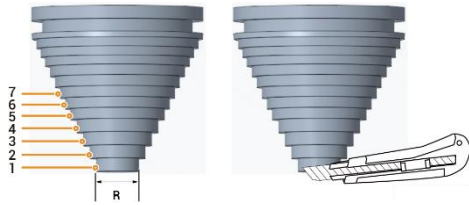
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5. Installation

In the new version, you only need to unscrew the plug at the bottom terminal to introduce the wire. In contrast, with the old version, you had to manually measure the wire diameter and cut an appropriate length with a knife.

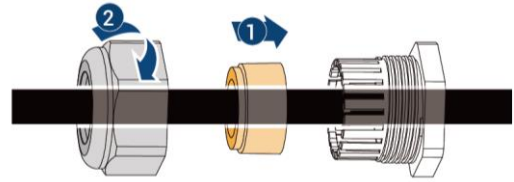
Before

1. Select an appropriate size according to the actual cable diameter.
2. Cut a routing hole of the appropriate size based on the cable diameter.
3. Do not cut reserved routing holes to avoid the effect on ingress protection.



After

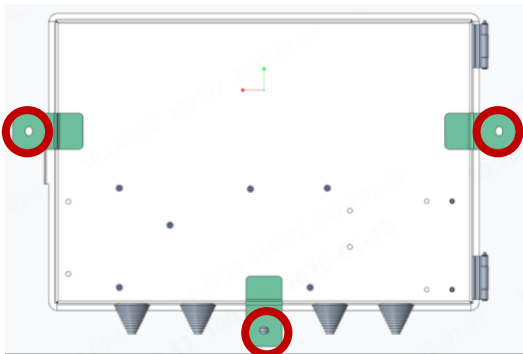
No additional tools are required. You only need to adjust the tightness of the plug to adapt to different wire diameters.



We have optimized the position of the back-mounted accessories, which are perfectly hidden on the back of the Gateway.

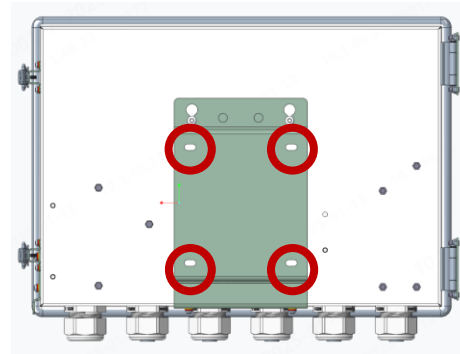
Before

The back-mounted accessories were exposed and required three screws to be driven in for fixation.



After

The hidden back-mounted accessories are fixed by four screws.



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Compatibility

The new version of Gateway will be a complete replacement for the previous model.

Impact of changes

Safety	No affect
Ingress Protection	No affect
Maintenance	No affect
Reliability	No affect

Affected Documents

1. Sigen Energy Gateway datasheet.

Attachments

Datasheet – Sigen Energy Gateway Home

Contacts

If any question or enquires, please contact us:

sales@sigenergy.com or service@sigenergy.com