

Sigen Energy Gateway Product Change Notice (PCN)

Abstract

To better meet C&I energy needs while further optimizing our Gateway product portfolio, we’re excited to announce the new Sigen Energy Gateway C&I 60 kW, evolved from the Sigen Energy Gateway HomeMax Three Phase. This new lineup delivers higher power capacity and enhanced features, specifically tailored for demanding C&I scenarios.

PCN Basic Information

Number		PCN2025003			
Manufacturer		Sigenergy Technology Co., Ltd.			
Product Code	Product Model	CRM Update	EOM	EOP	EOS
11110002	Sigen Gateway HomeMax TP	2025/3/31	2025/3/31	2025/3/31	2028/3/31

The old and new substitutions are as follows

Old Product Code	Old Product Model	New Product Code	New Product Model
11110002	Sigen Gateway HomeMax TP	11110050	Sigen Gateway C60-2

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

Background

Sigenergy 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.

- Model & Category change.** After carefully considering customer feedback and conducting thorough market research, we’ve found that the Sigen Energy Gateway HomeMax Three Phase is mainly utilized in Commercial and Industrial (C&I) settings. So, we plan to make adjustments to its model identification and incorporate it into our C&I lineup of Gateways.
- Add bypass switch.** To further improve the stability of home energy use, the new version of the Energy Gateway adds a bypass switch to ensure uninterrupted power to the home load in the event of Energy Gateway maintenance or failure.
- Power capacity improve.** In order to better match the power of C&I projects, we have increased the power on the Inverter side from 25 kW to 30 kW, and the power on Grid side, Backup side, Smart Load side from 50kW to 60kW. In this way, when two 30kW inverters are connected, full-power operation can be achieved.
- LED indicator.** To make on-site O&M more convenient, we have added indicator lights. You can monitor the current status of each phase for the Grid, Smart Port, and Inverter in real time. Meanwhile, we have installed switches inside, which can control these lights.
- The MCU has been upgraded.** It features more powerful performance and more abundant signal interfaces.
- Additional Contactor contacts.** Enabling real-time monitoring of the contactor's operation status, making the operation safer.

Date: 2025/3/7

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Affected systems and other products

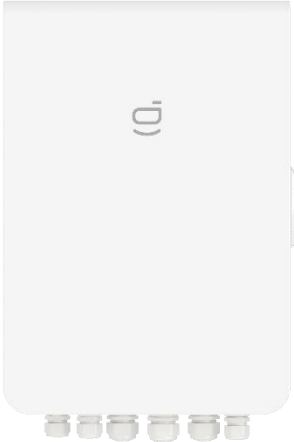
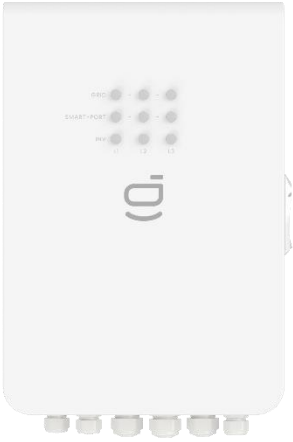
N/A.

Description of Changes

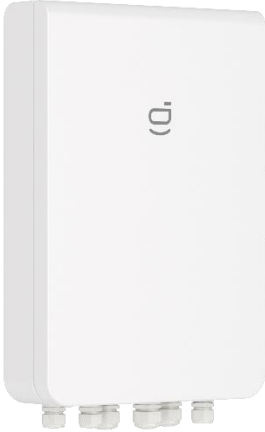
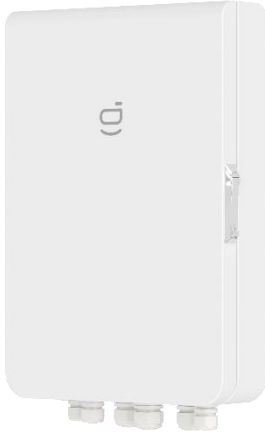
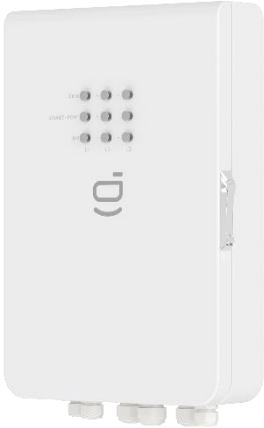
1. Specification

Parameter type	Before	After
Product model	Sigen Gateway HomeMax TP	Sigen Gateway C60-2
INV Port number	2	2
INV Port Nominal AC input current (A)	38	45.6
Gird Port Nominal AC input/out current (A)	76	91.2
Backup Port Nominal AC input/out current (A)	76	91.2
INV Port Nominal AC input/out current (A)	76	91.2
Dimensions (W/H/D, mm)	510 / 795 / 173	510 / 795 / 173
Weight (kg)	23	35

2. Appearance

Product View	Before	After
Front		

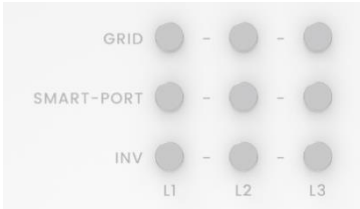
Sigen Energy Gateway Product Change Notice (PCN)

Product View	Before	After
Left		
Right		
Terminal		

Sigen Energy Gateway Product Change Notice (PCN)

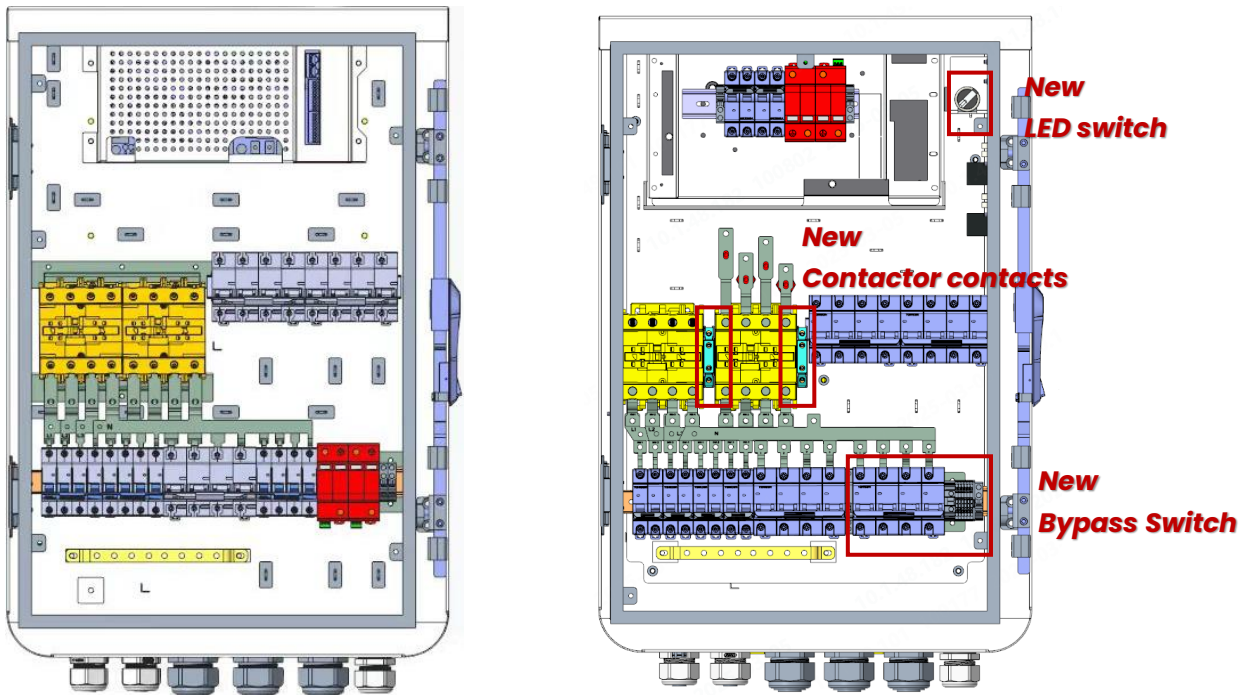
3. External interfaces

To make on-site O&M more convenient, we have added indicator lights. You can monitor the current status of each phase (L1, L2, L3) for the Grid, Smart Port, and Inverter in real time.

External Changes	Before	After
LED Indicator	No	

4. Internal Changes

Before

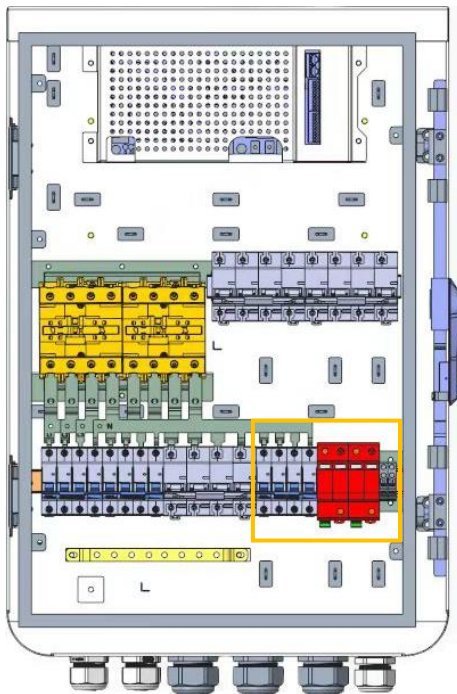


Sigen Energy Gateway Product Change Notice (PCN)

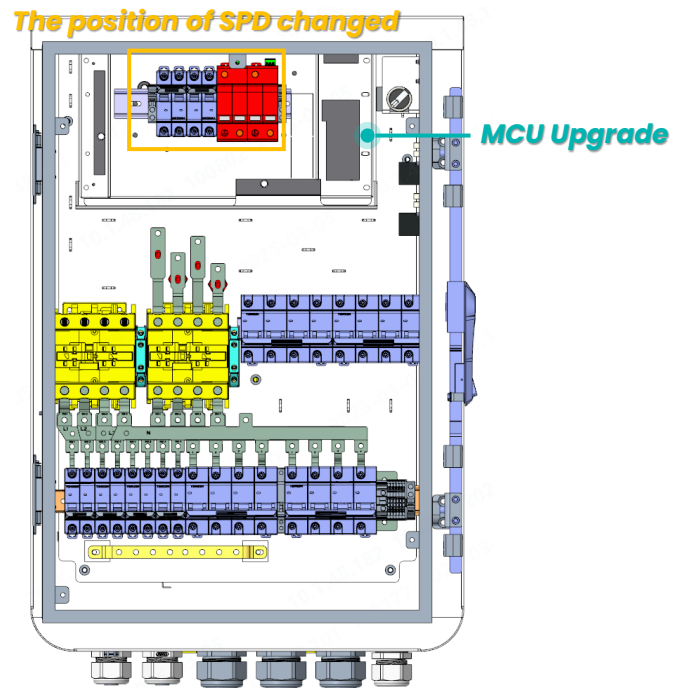
We have comprehensively optimized the internal structure, the following two items are newly added.

1. **A Bypass Switch has been newly added.** To further improve the stability of home energy use, the new version of the Energy Gateway adds a bypass switch to ensure uninterrupted power to the home load in the event of Energy Gateway maintenance or failure.
2. **Contactor contacts are added,** enabling real-time monitoring of the contactor's operation status, preventing false engagement, and making the operation safer.
3. **An LED switch is added,** enabling the control of the LED lights on the enclosure.

Before



After



The following two items have been optimized.

1. **The MCU has been upgraded,** featuring more powerful performance and more abundant signal interfaces.
2. **The positions of internal components have been optimized.** For example, we have placed the SPD above the MCU, enabling more components to be accommodated within the same space.

5. Communication Port Changes

We've upgraded the MCU, reserving more digital output (DO) and digital input (DI) ports to better fit C&I scenarios. For details, please refer to the user manuals of these two products.

Sigen Energy Gateway Product Change Notice (PCN)

6. Installation

There is no impact on the external wall-mounted installation. However, the position of the internal breaker has changed slightly. Please refer to the new version of the installation guide for specific details.

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.
2. Sigen Energy Gateway User Manual & Installation Guide

Attachments

Datasheet-Sigen Energy Gateway C60-2

Contacts

If you have any questions or enquiries, please contact us:

sales@sigenergy.com or service@sigenergy.com