

Notice – New SigenStack DC Combiner Box & Compatible SigenStack Battery Controller

Background

In a standard SigenStack installation, each SigenStack Battery Controller (BC) is connected directly to a hybrid inverter, limiting the system configuration to a single BC-to-inverter pair. For applications requiring extended backup duration or increased energy storage capacity, multiple SigenStack systems need to be aggregated and connected to a single inverter.

To address this requirement, the SigenStack DC Combiner Box (Model: SigenStack BC CMB-4) is introduced. It enables up to four Battery Controllers to be connected in parallel to a single hybrid inverter, thereby increasing total battery capacity and extending backup duration for larger-scale energy storage applications.

Basic information

Product Code	Product Model	Dimensions (W / D / H)	Weight	Available time
11112000	SigenStack BC CMB-4	730 / 217.5 / 650 mm	35 kg	2026/09/30

Note: All dimensions and weight are for the product itself.

Product introduction

What it is

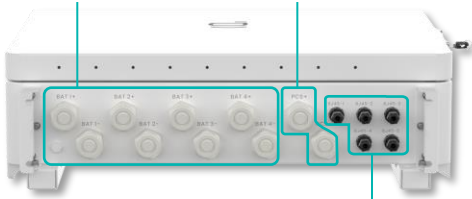
The SigenStack BC CMB-4 is a DC combiner box designed for SigenStack systems. It combines the DC outputs of up to four Battery Controllers and connects them to a single hybrid inverter, enabling increased energy storage capacity and extended backup duration.

Model	SigenStack BC CMB-4	
Max. operating current (battery controller)	180 A	
Max. number of battery controller connection	4	
Max. operating current (inverter)	180 A	
Max. number of inverter connections	1	
System ingress protection rating	IP55	
Compatible battery controller	SigenStack BC M2-0.5C-BST SigenStack BC M2-1C-BST	

Battery controller DC cable interface BAT+/BAT-

Inverter DC cable interface BAT+/BAT-

Network interface RJ45



SigenStack BC CMB-4 features DC cable interfaces for each Battery Controller (BAT+/BAT-), a separate DC cable interface for the inverter (BAT+/BAT-), and an RJ45 network interface for communication. Supporting up to four Battery Controller units, SigenStack BC CMB-4 provides a flexible solution for capacity expansion to meet different backup duration requirements.

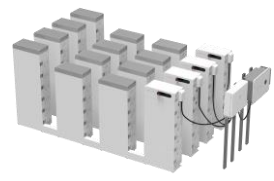
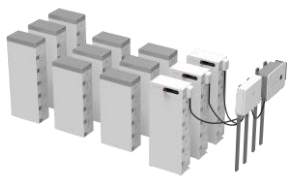
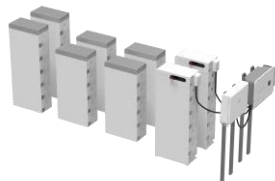
**The above information reflects the current state of technology and is subject to change without notice. For the latest updates, please refer to the Sigenenergy website.*

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System Configuration Example

- 2 SigenStack BCs
 - 1 Combiner Box
 - 1 Hybrid Inverter
- 3 SigenStack BCs
 - 1 Combiner Box
 - 1 Hybrid Inverter
- 4 SigenStack BCs
 - 1 Combiner Box
 - 1 Hybrid Inverter



How to install

The installation guide for the SigenStack BC CMB-4 is expected to be available in early September 2026. You will be notified once it is available.

Should you have any questions or require further information regarding the installation or configuration of the CMB-4, please contact Sigenenergy for assistance.

Important Notes

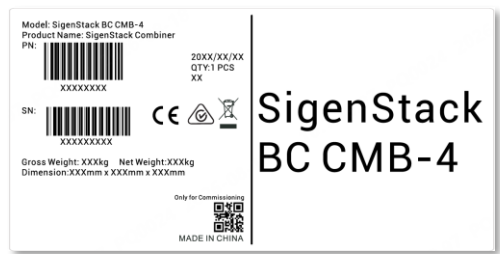
- SigenStack BC CMB-4 **must be used with SigenStack Battery Controllers with the “-BST” suffix in the model name** (SigenStack BC M2-0.5C-BST/SigenStack BC M2-1C-BST).
- **The capacity of each connected SigenStack system does not need to be identical.** When multiple SigenStack systems are connected to a single CMB-4, the individual systems may have different battery capacities, providing greater flexibility for system configuration.
- **SigenStack BC CMB-4 is compatible only with the new BC models (Product Codes 11142000 & 11142001).** The existing BC models are not compatible with SigenStack BC CMB-4 . When ordering SigenStack BC CMB-4 , please ensure that the corresponding new BC models are selected. The specific switching strategy is as follows:

Previous Product		New Product		
Product Code	Product Model	Product Code	Product Model	Switching Time
11140003	SigenStack BC M2-0.5C-BST	11142000	SigenStack BC M2-0.5C-BST	2026/09/30
11140002	SigenStack BC M2-1C-BST	11142001	SigenStack BC M2-1C-BST	2026/09/30

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Other information

- The outer packaging label (You can find the label on the packing box as below)

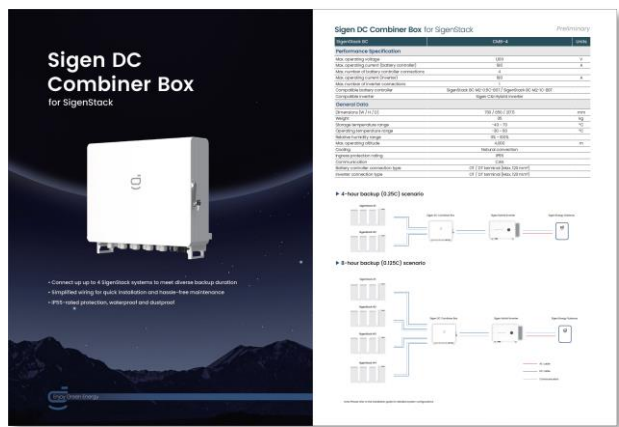


- SigenStack DC Combine Box Packing List

No.	Name	Part No. (In-line coding)	Diagram	Quantity (PCS/Box)
1	SigenStack BC CMB-4	/		1
2	Delivery Inspection Report	8103000006		1
3	Routing list	6603000003		1
4	Key	1400000002		1
5	Expansion bolt (set)	1400000002		4
6	Backpack	6003000007		2
7	Hostener	6003000003		2
8	Screw(M6)	/		2
9	Screw(M6)	/		16
10	Nut(M6)	/		16

Scan for support
Scan for mySigen App
Post Number: 8103000001-01

- SigenStack DC Combine Box datasheet



Contacts

If any question or enquires, please contact us:

sales@sigenenergy.com or service@sigenenergy.com