Technical note
Sigen Power Sensor Comm Kit Installation Instruction

Publisher: Sigenergy Technology Co., Ltd.

Revision History: Version 1.0, Aug. 2025

Background

Sigen Power Sensor Comm Kit (PSC) is a device used for improving the compatibility between Generation Signaling Devices (GSD) and Sigen Energy Storage System for installation in Queensland.
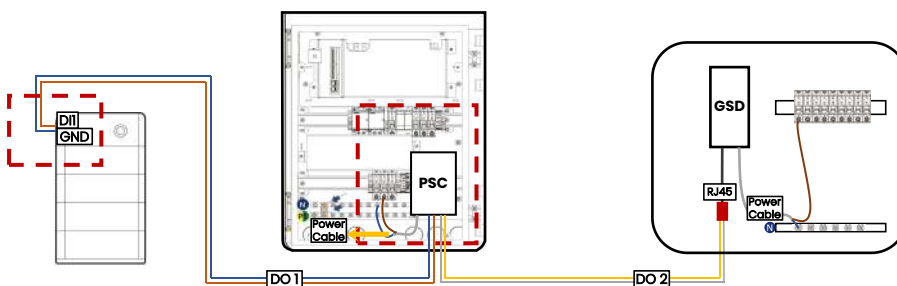
Communication Diagram

The following Diagram shows how to connect the PSC device in Sigen Energy Storage System.
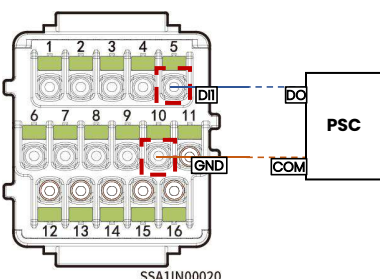
Scenario 1: PSC installed in home Switch Box


Scenario 2: PSC installed in Sigen Energy Gateway

Wiring for Sigen Energy Controller Communication Interface

SSA1IN00020

| Description	Interface definition	COM terminal of the inverter	Requirement
DRM 0	DI1, digital input 1	5	● When switches S0 and S9 are switched on, the solar inverter should be turned off. ● When switch S0 is switched off, and switch S9 is switched on, the solar inverter should be grid-tied.
	Signal GND	10	

Sigen Power Sensor Comm Kit Installation Guide

You can peel off the Glue Cover and stick Power Sensor Comm kit (PSC) device to any suitable location.
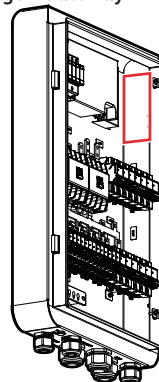
Glue
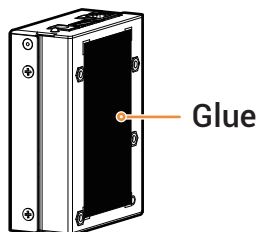
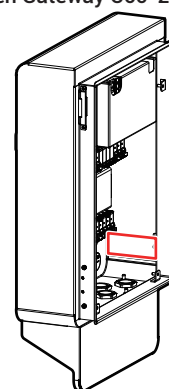Recommend Stick Position (as Red Mark) inside Gateway

Sigen Gateway SP AU
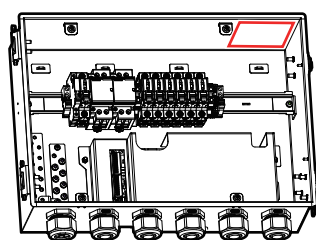
Sigen Gateway TP AU

Sigen Gateway Home SP/TP AU
Sigen Gateway C60-2 AU

S (Cu): 0.5−1.5 mm²

OUTPUT
S: 0.2−1.5 mm²

RJ45
CAT 5e

AC
S: 0.5−1.5 mm²

AC-DC Adapter
Output Voltage:10.8-13.2 V
Output Current:0.5 A
Adapter Plug:DC 5.5×2.1

1 PSC installed in Switch Box

1.1 Get Power Supply Directly from Grid

Switch Box

PSC

PSC DC Supply & Communication Interface

PSC AC Supply Interface

12V, 0.5 A

OUTPUT
DO COM

DC IN

100-277VAC,0.3A

L N

GSD

L N

DI1
GND

DO
COM

OUTPUT

M4 1.6 N·m

L N

AC

RJ45

1.2 Get Power Supply from household power outlet

Switch Box

PSC

PSC DC Supply & Communication Interface

PSC AC Supply Interface

12V, 0.5 A

OUTPUT
DO COM

DC IN

100-277VAC,0.3A

L N

GSD

AC-DC Adapter

DI1
GND

DO
COM

OUTPUT

M4 1.6 N·m

RJ45

SIGENERGY

2 PSC Installed in Gateway

2.1 Get Power Supply Directly from Grid

Gateway

PSC

PSC DC Supply & Communication Interface

PSC AC Supply Interface

12V, 0.5 A
OUTPUT
DO COM
DC IN
DRM0
RJ45

100-277VAC,0.3A

DI1
GND

OUTPUT

DO
COM
RG/0
CL/0

L N

M4 ⊕ | 1.6 N·m

AC

INPUT

Switch Box

GSD

RJ45

L N

2.2 Get Power Supply from household power outlet

Gateway

PSC

PSC DC Supply & Communication Interface

PSC AC Supply Interface

12V, 0.5 A
OUTPUT
DO COM
DRM0
RJ45

100-277VAC,0.3A

AC-DC Adapter

DI1
GND

OUTPUT

DO
COM
RG/0
CL/0

L N

M4 ⊕ | 1.6 N·m

INPUT

Switch Box

GSD

RJ45