Application Note – Shutting Down SigenStor(Including EVDC) via DI Custom Function

Version 1.0– 2025/12/05

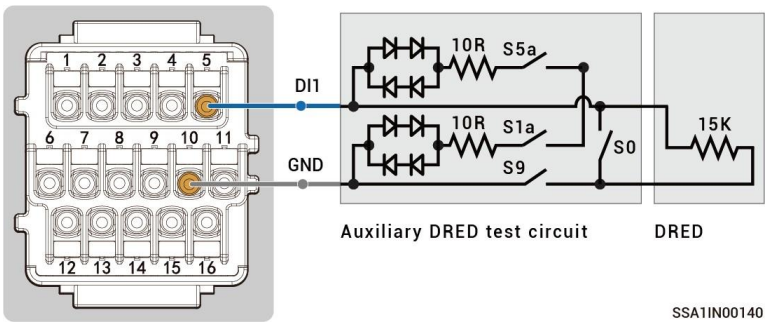
1. Introduction

This application note clarifies the technical method of using the DI custom function to shut down SigenStor(including the SigenStor EVDC).

2. Technical description

SigenStor is equipped with control terminal with 16 pins, pins 5–8 are assigned to digital inputs DI1–DI4 respectively, and terminal 10 is common GND reference for all DI ports.

In the example shown below, DI1 is wired to terminal 5 and the GND wire is connected to terminal 10, so that SigenStor(including the SigenStor EVDC) can be shut down via digital input 1 (DI1).



2.1 External Switch Control Mode (Switch ON, INV ON)

• When DI is in ON" state (short circuit), SigenStor (including EVDC module) is powered on and operational.

• When DI is in "OFF" state (open circuit), SigenStor (including EVDC module) is shut down and the active power to the grid is reduced to zero.

2.2 Australia DRM0 (Switch ON, INV OFF)

• When DI is in "ON" state (short circuit), SigenStor (including EVDC module) is shut down and the active power to grid is reduced to zero.

• When DI is in "OFF" state (open circuit), SigenStor (including EVDC module) is powered on and operational.

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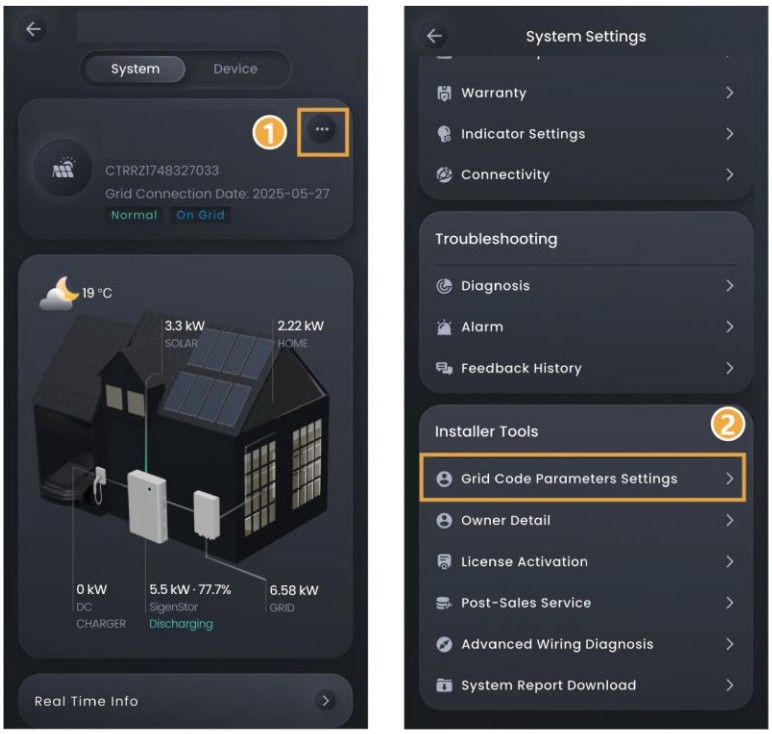
3. APP Setting Instructions

The DI custom function should be set up for SigenStor through the APP.



Select “Grid Code Parameters Settings”, and DI custom settings can be made by following steps:

First, DI custom function should be enabled, then choose the relevant mode.

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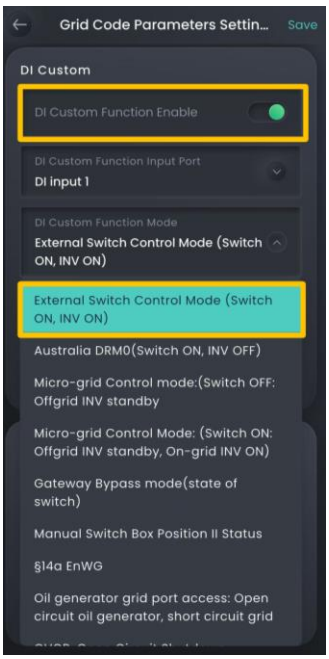
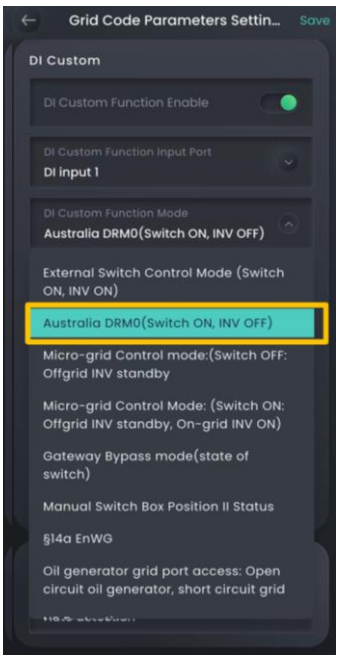
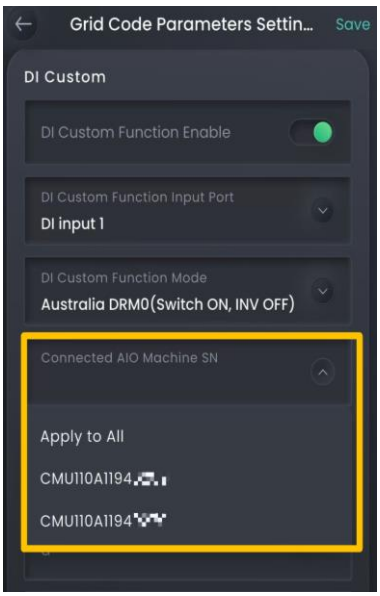




Then select the SN of the corresponding machine in the Connected AIO Machine SN dropdown box.



After selecting the DI custom function mode above, ensure that the physical connection corresponds to the selected DI input port to achieve the relevant functions.