Comissioning of H1 and B1 Battery

The purpose of this document is to confirm the Equipment is connected and configured correctly, as well as ensuring operation of equipment is proved correct.

Comissioning date: ☐

Serial number of Inverter: ☐

Equipment Connections

1 Batteries have correct DIP switch settings for the number of batteries in the system

Bat1 [0000]	Yes/No
Bat2 [0001]	Yes/No
Bat3 [0010]	Yes/No
Bat4 [0011]	Yes/No

2 Battery connected furthest away from the inverter has a termination resistor connected into Com port 3 of battery   Yes/No

3 Battery power cables are terminated with appropriate connectors before connection to inverter   Yes/No

4 Communication cable from the battery nearest inverter is connected from Com2 of battery to inverter CAN port   Yes/No

5 CT cable is neither shortened or extended before connecting to the Chint smart meter   Yes/No

6 CT cable connections and correct orientation

* Blue wire to pin 6 of Chint meter	Yes/No
* White wire to pin 5 of Chint meter	Yes/No
* CT direction arrow points towards the load of the building	Yes/No
* CT connects on the main incomer to the building. If Henley blocks are present, ensure connection is from the incoming supply	Yes/No

7 RS485 communication cable between Chint meter and Inverter

RS485A - Ensure pin 24 of Chint meter is connected to pin 7 of the Inverter RS485 port	Yes/No
RS485B - Ensure pin 25 of Chint meter is connected to pin 8 of the Inverter RS485 port	Yes/No

8 DC power from strings is above the Start voltage of the inverter   Yes/No

String 1 Voltage	☐
String 2 Voltage	☐

9   DC power to each string has the correct polarity

                 String 1   `Yes/No`

                 String 2   `Yes/No`

10 AC Power is supplied to inverter and polarity is correct   `Yes/No`

11 Chint meter is supplied with AC power from the same phase that the   `Yes/No`
    inverter is supplied with

Equipment APP configuration

12   * **Initial Settings**

             Time set   `Yes/No`

             Grid code set   `Yes/No`

          * **Battery**

             Set SAJ-CAN   `Yes/No`

          * **Operation mode**

             Self-consumption   `Yes/No`

             Time of use   `Yes/No`

             Back-up   `Yes/No`

               Export limitation is Enabled   `Yes/No`

          * **Measuring device**

             Set to single phase DDSU666 (100A CT based) meter   `Yes/No`

13 Smart meter communication and CT orientation:
    With just AC power to the inverter and the smart meter, check that on the screen of the   `Yes/No`
    the inverter, power is seen flowing from the grid to the load of the building and that it is
    load) the same value as shown on the screen of the Chint meter. Check with a low load
    (base load) of property and a higher load (eg. electric oven)

14 With AC power on and batteries switched on. Verify on the screen of the inverter, that   `Yes/No`
    power is drawn from the batteries to the load.

15 Switch the PV supply on and ensure PV is generating power which either supports the load `Yes/No`
    or may even charge the batteries.

After testing it maybe necessary to switch the system off and back on again, ensuring that all
batteries are switched on before the inverter. This is necessary to ensure the battery information
is visible on the portal or APP.

Portal or ESAJ Home

16 Check on the ESAJ Home APP that the system is visible on your installers APP as well as   `Yes/No`
    ensuring it is visible on your end users account.