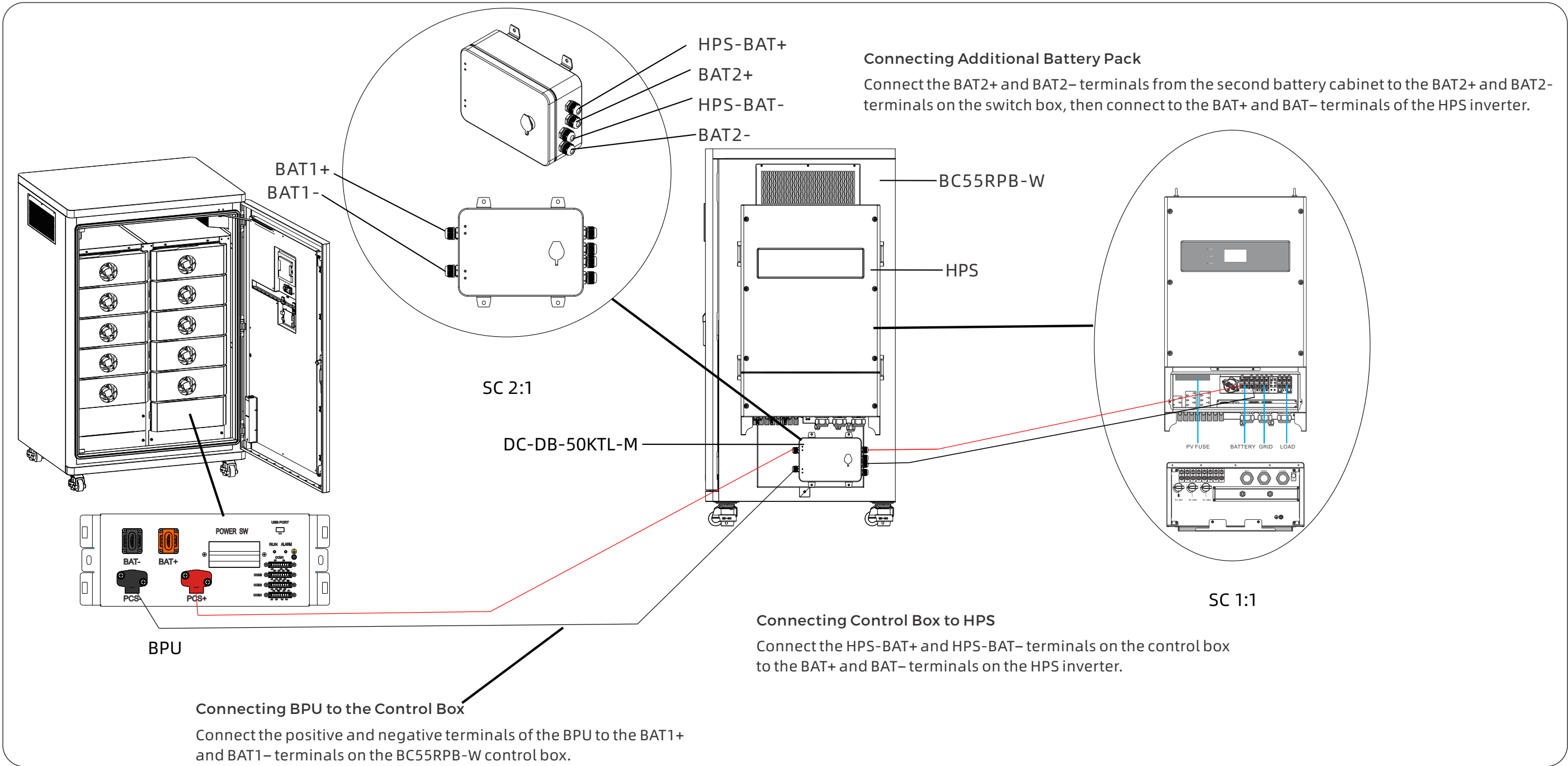# Installation Guide for HPS and BC55RPB-W System

1. System Components Overview

HPS Inverter (Models from HPS15000TL to HPS50000TL)

BC55RPB-W (Battery Cabinet with Mounting Structure)

BPU (Battery Pack Unit)

DC-DB-50KTL-M (DC Distribution Box)

3. Wiring Logic

2. Wiring Instructions

HPS-BAT+
BAT2+
HPS-BAT-
BAT2-

BAT1+
BAT1-

SC 2:1

DC-DB-50KTL-M

BC55RPB-W

HPS

PV FUSE   BATTERY GRID   LOAD

SC 1:1

POWER SW   USB PORT

BAT-   BAT+

PCS-   PCS+

BPU

Connecting Additional Battery Pack

Connect the BAT2+ and BAT2− terminals from the second battery cabinet to the BAT2+ and BAT2− terminals on the switch box, then connect to the BAT+ and BAT− terminals of the HPS inverter.

Connecting Control Box to HPS

Connect the HPS-BAT+ and HPS-BAT− terminals on the control box to the BAT+ and BAT− terminals on the HPS inverter.

Connecting BPU to the Control Box

Connect the positive and negative terminals of the BPU to the BAT1+ and BAT1− terminals on the BC55RPB-W control box.