

DYNESS HV4 ,HUB and DEYE SUN-50K-SG01HP3

Connection Guideline



Note

This is an instruction for connection and commissioning between HV51100 battery and Deye SUN-50K-SG01HP3-EU-BM4.

For details of the connection and commissioning, please go to user manual of the battery and the Deye SUN-50K-SG01HP3-EU-BM4 if you cannot find it in this instruction.

Applicable Product type

- HV51100 Battery Module Type(HV51100 battery, hereinafter referred to as HV4): HV4-20 ESS unit/HV4-25 ESS unit/HV4-30 ESS unit/HV4-35 ESS unit/HV4-40 ESS unit/HV4-46 ESS unit/HV4-51 ESS unit/HV4-56 ESS unit
- Deye Inverter Type: SUN-25K-SG01HP3-EU-BM2/ SUN-30K-SG01HP3-EU-BM3/ SUN-40K-SG01HP3-EU-BM4/SUN-50K-SG01HP3-EU-BM4

Installation Steps

















Inverter startup: Turn on the mains circuit breaker and press the "ON/OFF" button on the left side of Deye. Turn on the DC switch to "I" position.



Battery startup:

1 cluster HV4 usage: Turn on the circuit breaker on HV4 BDU100, turn on the power switch, and press hold the 'wake up' button for 10 seconds.





2 clusters HV4 usage: Turn on the circuit breaker on HV4 BDU100, turn on the power switch, and press hold the 'wake up' button for 10 seconds. Next, turn on the second cluster of batteries in order.



3 clusters HV4 and HUB usage: Turn on the circuit breaker on HV4 BDU100, turn on the power switch, and press hold the 'wake up' button for 10 seconds. Next, turn on the second and third battery clusters in order.



3 clusters HV4 and combiner box usage: Turn on the breaker of the combiner box .



Turn on the circuit breaker on HV4 BDU100, turn on the power switch, and press hold the 'wake up' button for 10 seconds. Next, turn on the second and third battery clusters in order.







In the inverter setting interface, set the parameters in "Battery Setting" and "System Work Mode" respectively, and execute charging and discharging commands. The detailed operation steps are as follows:

Charging settings:



21:00 01:00 15000

80%

0 Off-Grid Mode Settings:

When the inverter is disconnected from the grid, it automatically enters the off-grid mode, and it can discharge when connected to the load.







Official Website

Digital version access

Dyness Digital Energy Technology Co., LTD.

www.dyness-tech.com