

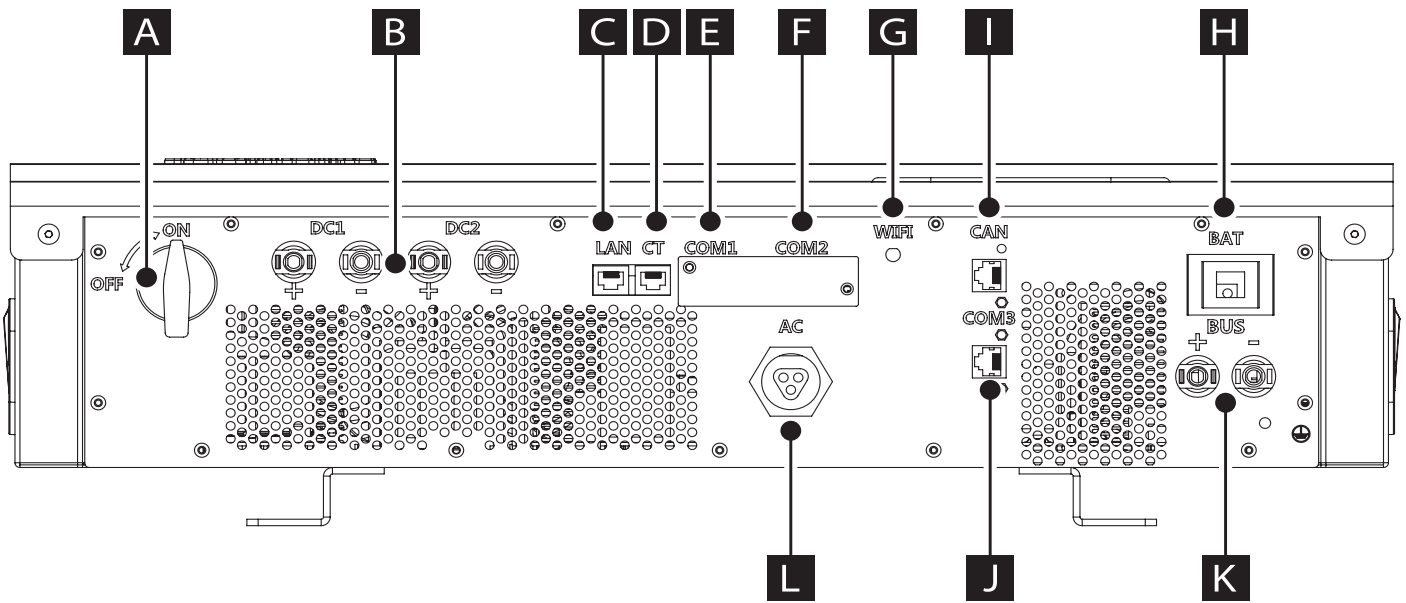


Quick Installation Guide For SK-SU

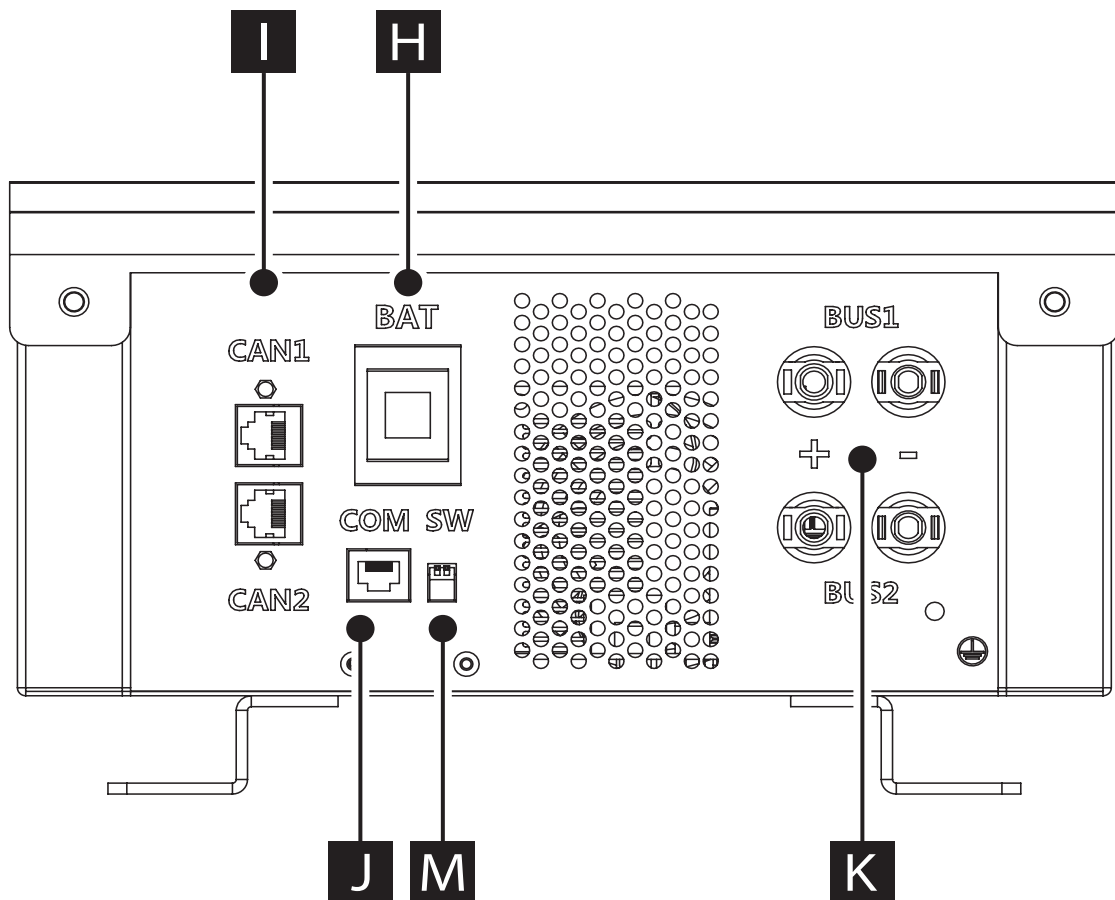


www.solaxpower.com

- Grid tied storage inverter (SK-SU)



- Grid tied charger (SK-BMU)



Object	Description
A	DC switch
B	DC connector area
C	Ethernet connector
D	Outside current detect port
E	Communication port for update
F	Communication port for dry contact.
G	Wifi antenna connector
H	Battery connector
I	CAN communication port
J	Battery communication port
K	BUS connector port.
L	AC connector
M	No. of battery group.

Connect steps

1. Connect PV to the inverter.
2. Connect inverter to the grid.
3. Install CT on the live line near the meter, **and make sure the arrow on CT towards the direction of grid.**

WARNING! CT fault will be occurred without installing CT.

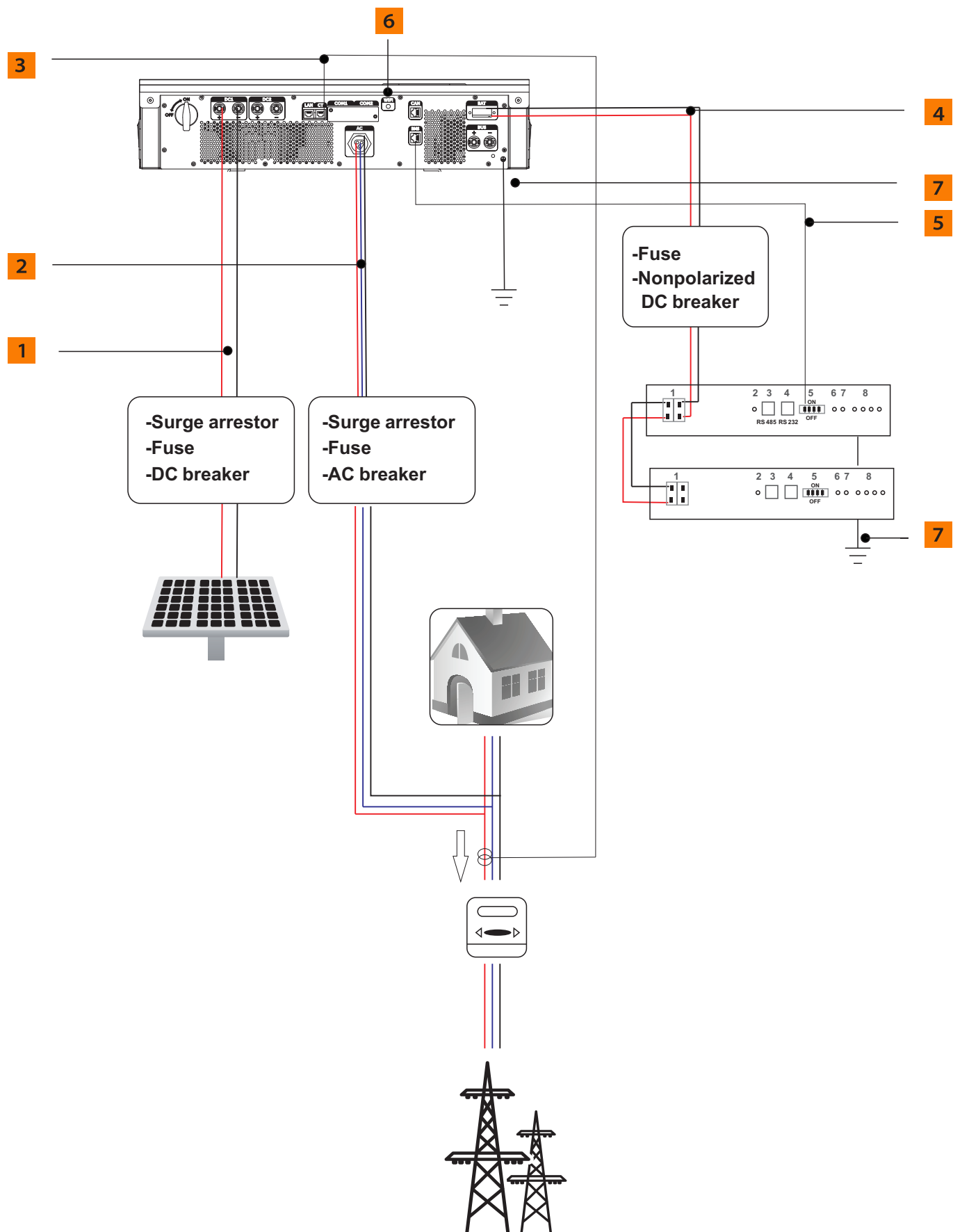
4. Connect the power line from battery to the inverter.

WARNING! Please use recommended battery brands which are NARADA and PYLON. To avoid incompatible, please contact us when other brands battery are used.

5. Connect the communication cable (BMS cable) from battery to the inverter.

WARNING! The BMS cable, cannot be replaced by normal ethernet cable.

6. Install the WIFI antenna on WIFI port in the inverter.
7. Grounding the inverter and battery.



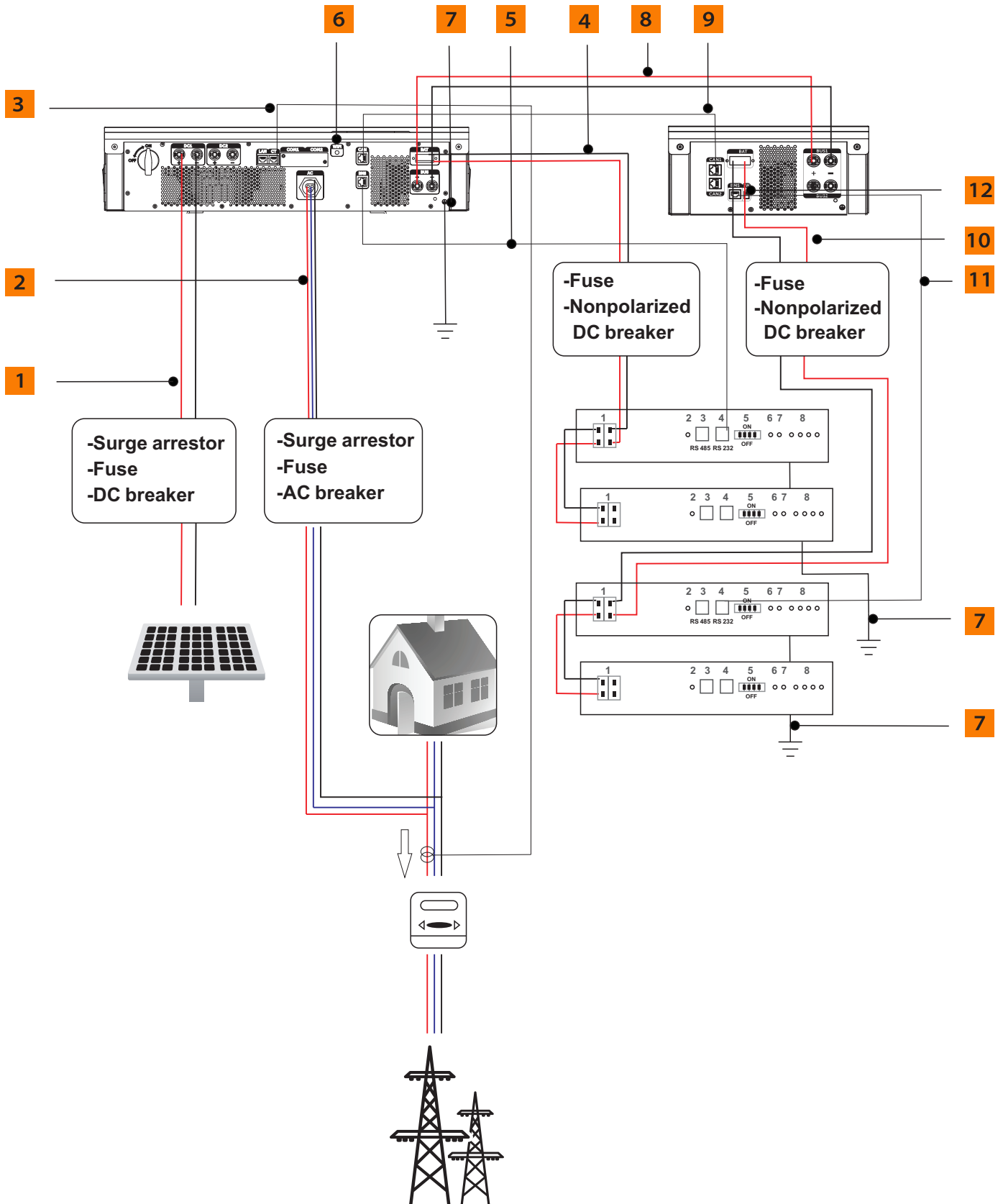
Connection steps for expanded BMU

8. Connect two BUS ports of the inverter to BMU.
9. Connect two CAN ports of the inverter to BMU.
10. Connect power line from battery to BMU.

11. Connect communication cable (BMS cable) from battery to the BMU.

WARNING! This BMS cable, cannot be replaced by normal ethernet cable.

12. Set the DIP switch of the BMU. Please refer to page 6.



Setting guide

1. Enter the setting interface.

MENU

Status

History

Settings

Password

↓

0 0 0 0

Settings

Safety

Date time

Connection

2. Set date time

Date time

2013 ->06 <-06

10:19

3. Set work mode.

- Self use mode

Work Mode

>Mode Select

Self Use

- Force time use mode setting

Work Mode

>Mode Select

Force time use

Work Mode

>Charge period 1

From Grid

Enable

Work Mode

>Charge period 2

From Grid

Enable

Work Mode

> Charge

Start time 1

08:00

Work Mode

> Charge

End time 1

10:00

Work Mode

> Charge

Start time 2

12:00

Work Mode

> Charge

End time 2

14:00

Work Mode

> Discharge

Start time 1

06:00

Work Mode

> Discharge

End time 1

08:00

Work Mode

> Discharge

Start time 2

19:00

Work Mode

> Discharge

End time 2

21:00

4. Set export control.(Set to 0 means non export)

Settings
> Export control
Charger
Ethernet

Export control
> User value
05000 W

5. Set charger

Lead acid battery

Setting parameter according to suggestion from battery manufacturer.

Settings
> Work mode
Charger
Ethernet

Charger
> Charger 1
Charger 2
Charger 3

Charger 1
> Battery type
Lead acid

Charger 1
> Min capacity
20%

Charger 1
> Charger cut voltage
53V

Charger 1
> Discharge cut voltage
47V

Charger 1
> Charger max Current
25A

Charger 1
> Discharge max Current
25A

Lithium battery

For lithium battery, please check the BMS connection as below.

Menu
> Status
History
Setting

Status
> Solar
Charger

Charger1
> Battery1 90%
Temp1 20°C
BMS connected

The default value shows up, without any settings required. Any changes, please refer to following change.

Settings
> Work mode
Battery
Ethernet

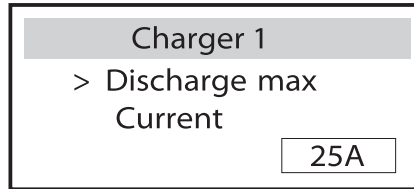
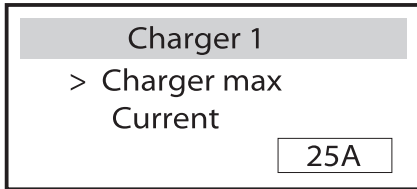
Charger
> Charger 1
Charger 2
Charger 3

Charger 1
> Battery type
Lithium

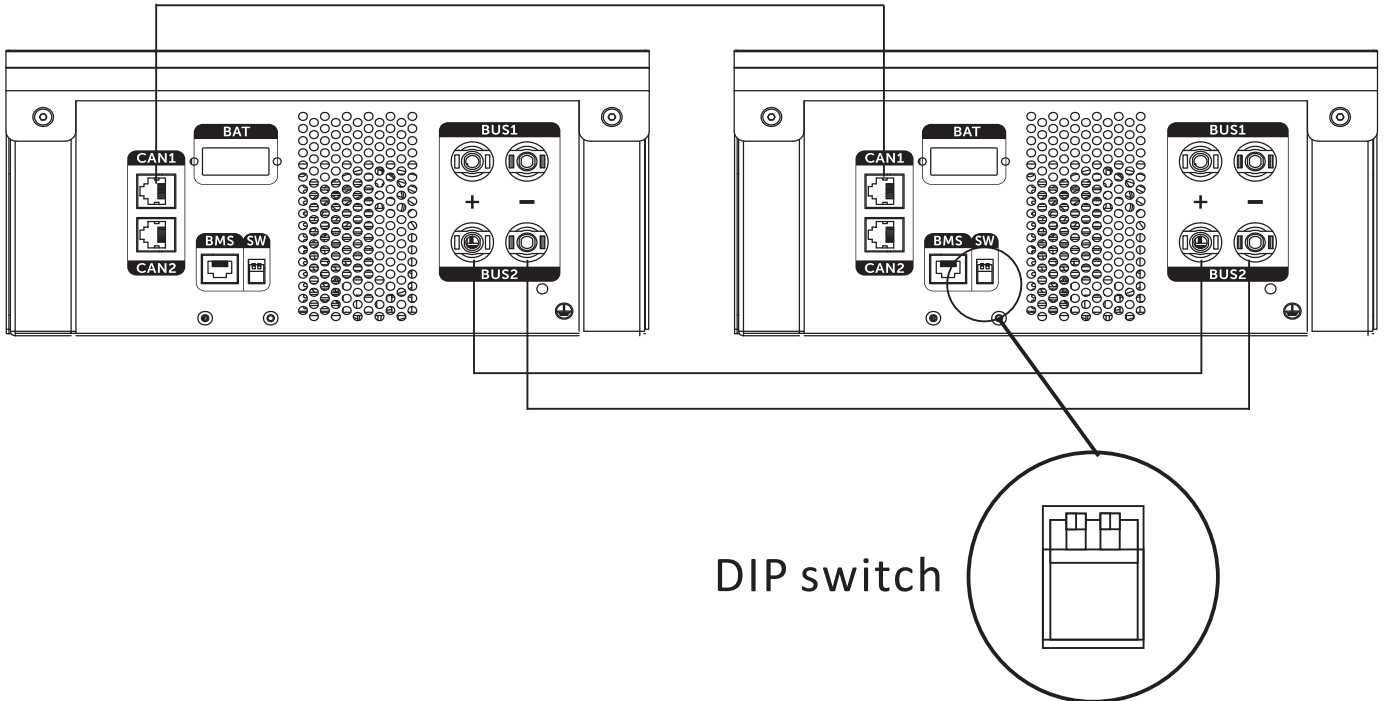
Charger 1
> Min capacity
20%

Charger 1
> Charger cut voltage
53V

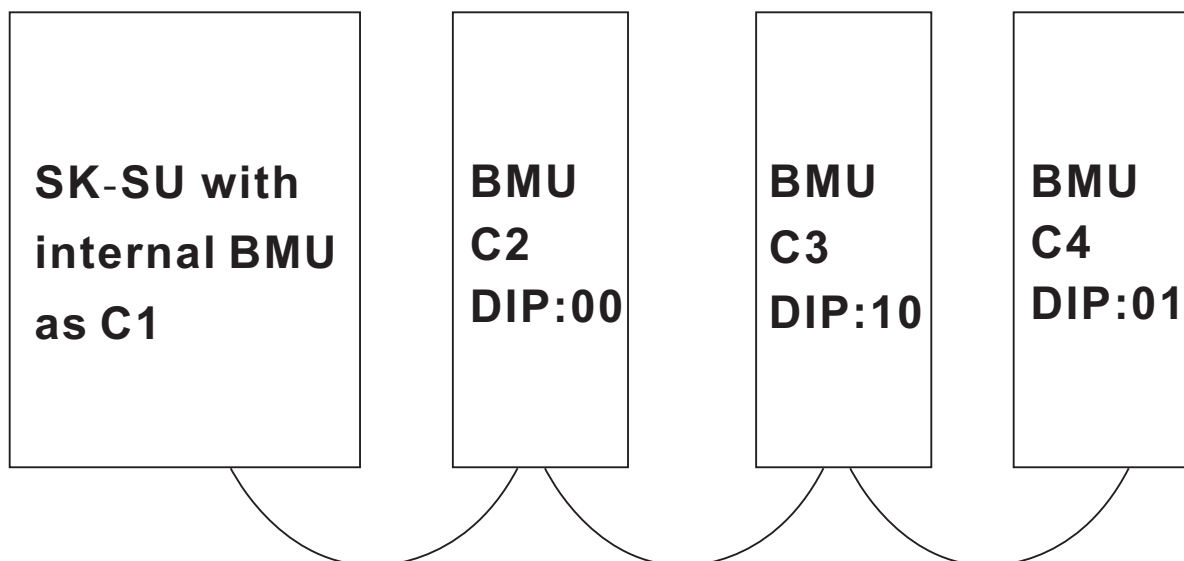
Charger 1
> Discharge cut voltage
47V



6. Set the DIP switch on the SK-BMU



Please set DIP switch when install the expanded BMU. For SK-SU, the internal BMU is recognized as C1, and the expanded BMU is recognized as C2-C4.

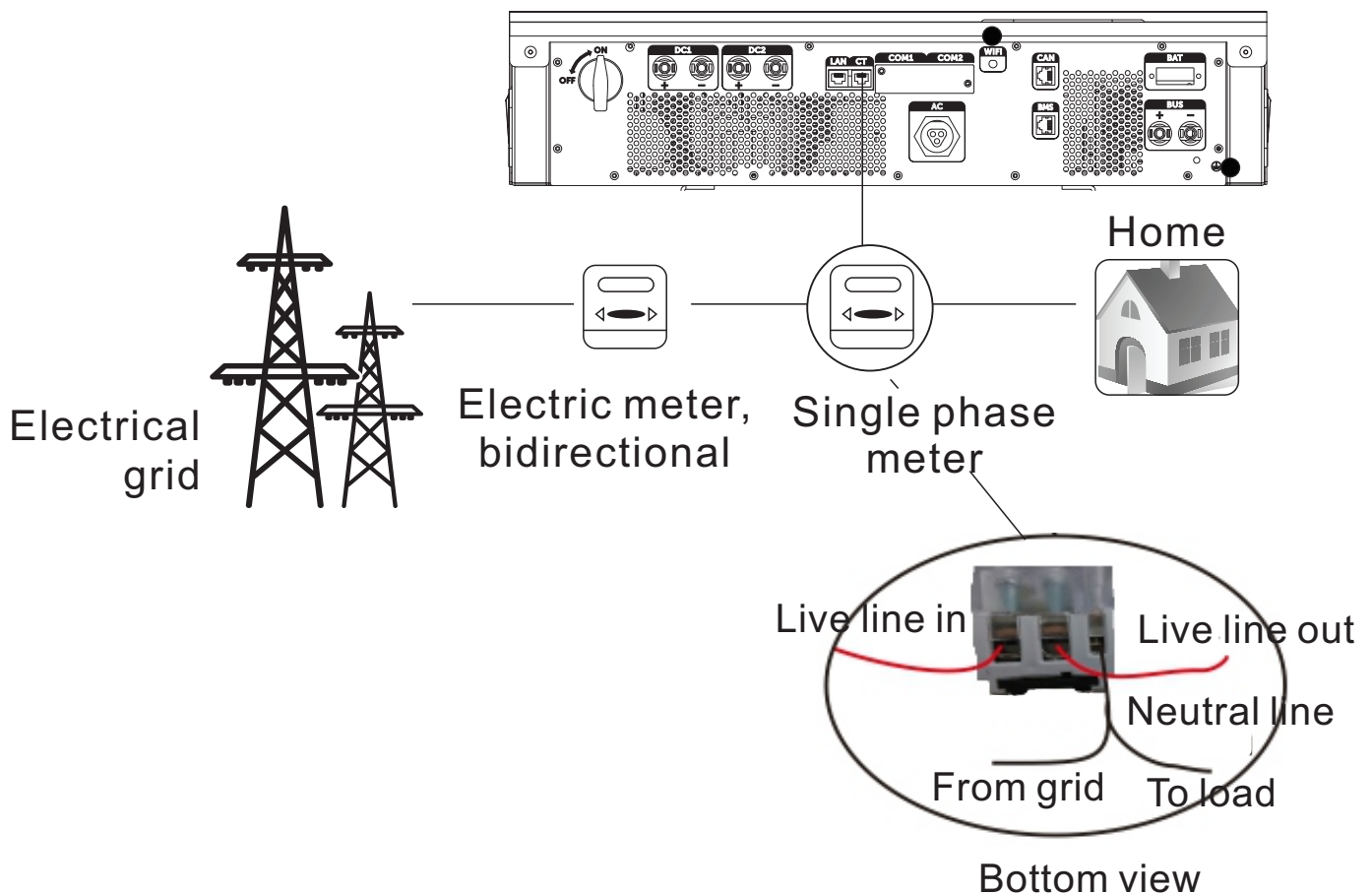


For DIP switch, on the up position refer to "0", and on the down position refers to "1".



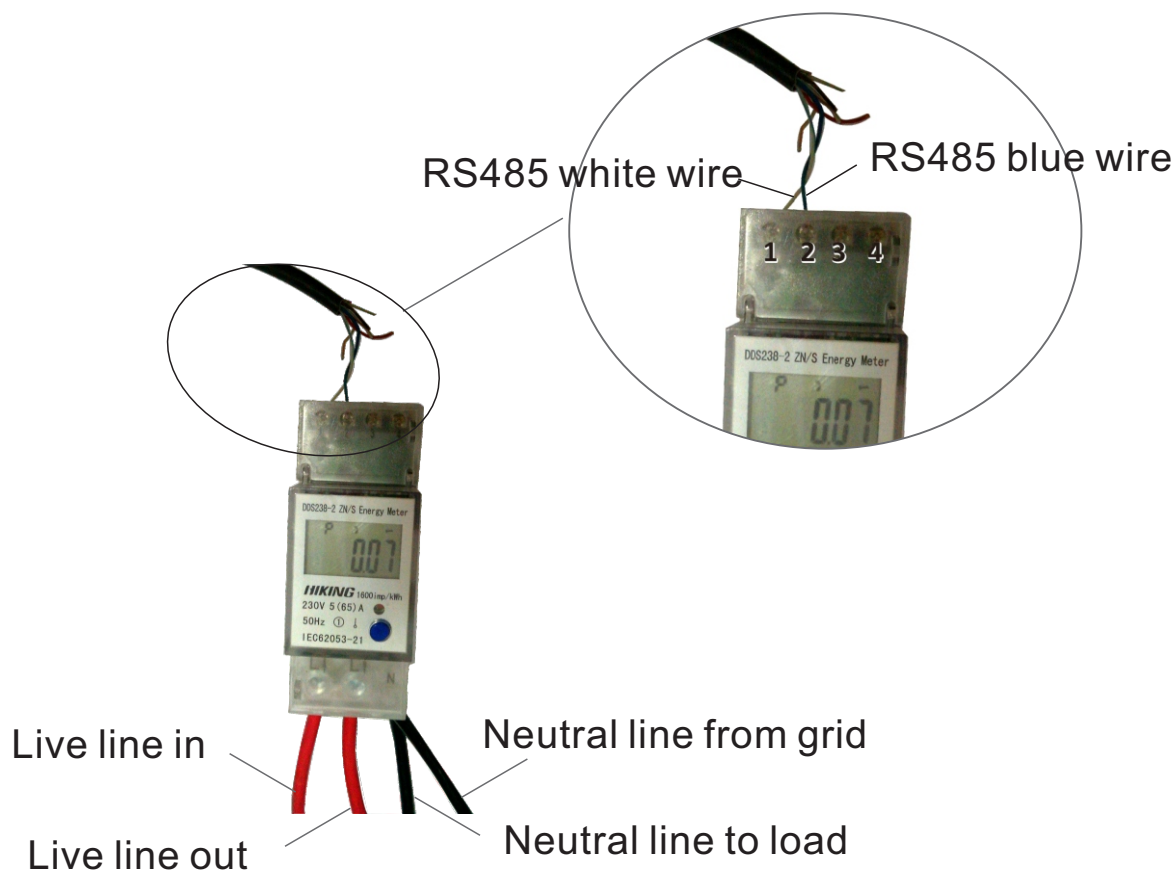
Installation Guide For Power Meter

1. Please install the meter between the main house electric meter and home loads, the picture below is the bottom view of the power meter, please connect the live line and neutral line as showed, attention that the two neutral line cables should be installed in the same port.



2. Connect power meter to the inverter with communication cable. It comes with meter.

Please connect RJ45 terminal to the inverter's CT port, and plug in other side to the meter as shown below.



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