

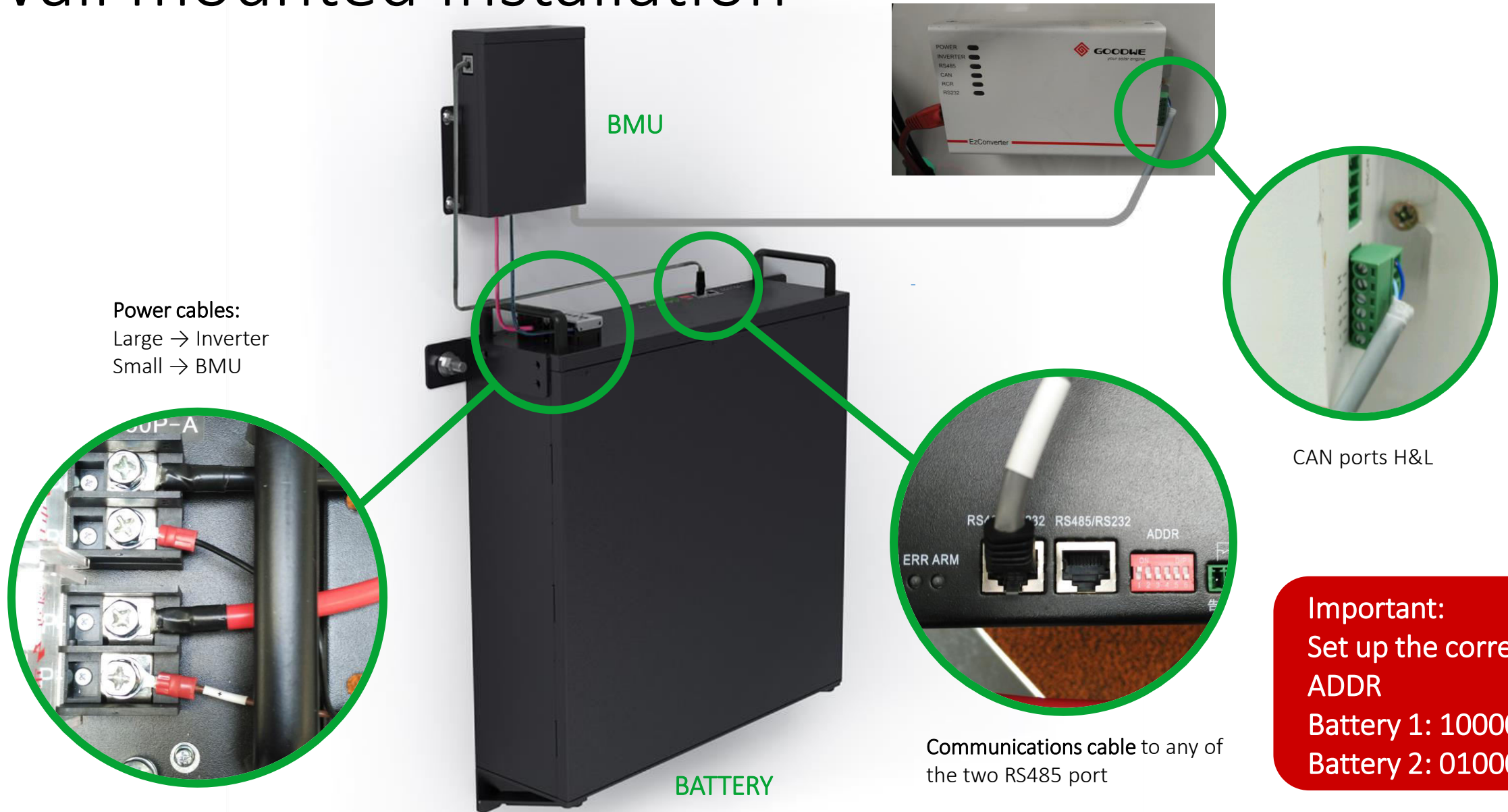
Part B

INSTALLATION TRAINING

- ✓ Ports and labels
- ✓ Single unit connection
- ✓ Connection in parallel
- ✓ Documentation



Wall mounted Installation



Important:
Set up the correct ADDR
Battery 1: 100000
Battery 2: 010000

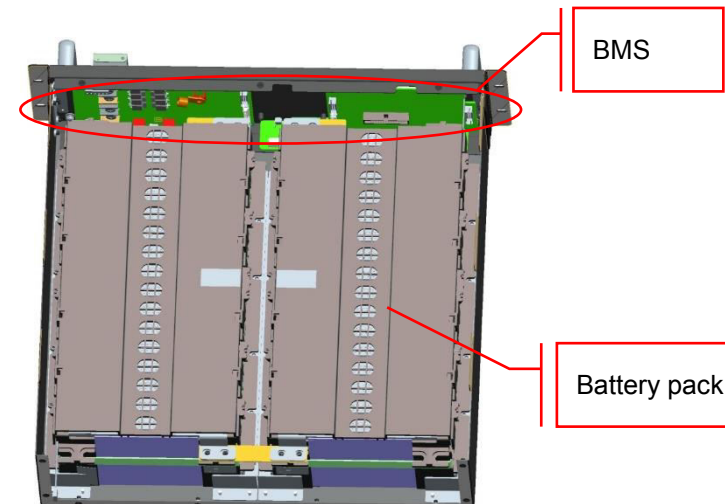
Component Description



P-: Negative terminal(DC-)

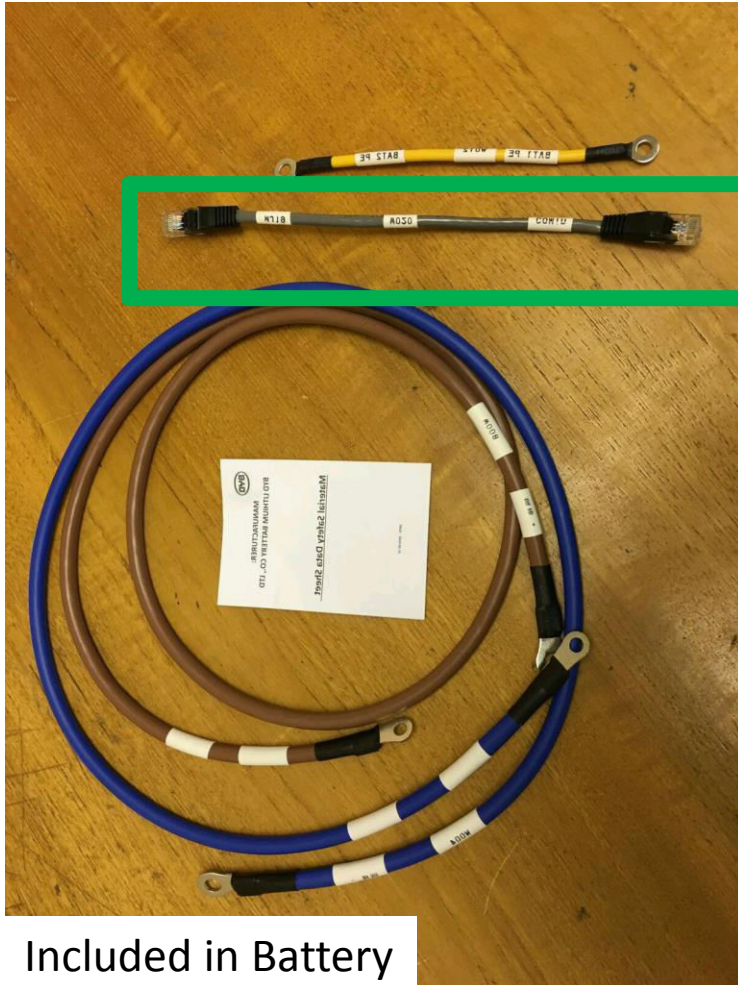
P+:Positive terminal(DC+)

GND: Grounded terminal



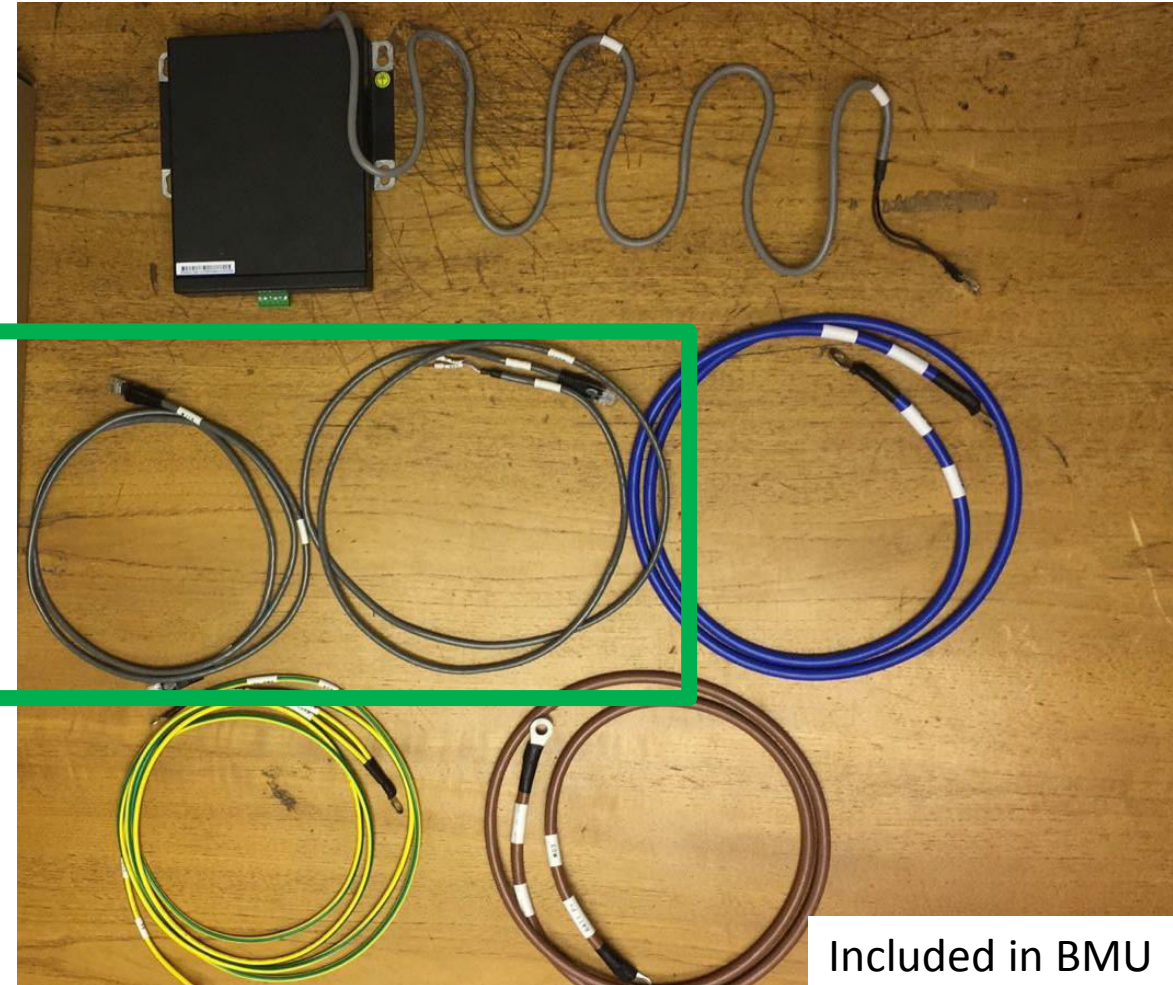
| No. | Interface | Mark | Function |
|-----|---------------|-------------|---|
| ① | SOC LED | SOC | Indicate State of capacity of battery |
| ② | RUN LED | RUN | Indicate the battery is running status |
| ③ | ERR LED | ERR ADDR | Indicate error status |
| ④ | Alarm LED | Alarm | Indicate alarm status |
| ⑤ | RJ45 terminal | RS232/RS485 | Communication ports |
| ⑥ | Address | ADDR | When parallel connection, need setting address. |
| ⑦ | FPC | Alarm Relay | Dry contact application, output alarm info. |
| ⑧ | Test terminal | B- B+ | Measure battery voltage when testing. |
| ⑨ | Reset | RESET | Activity battery when no external power add on battery. |

Component Description-Wiring



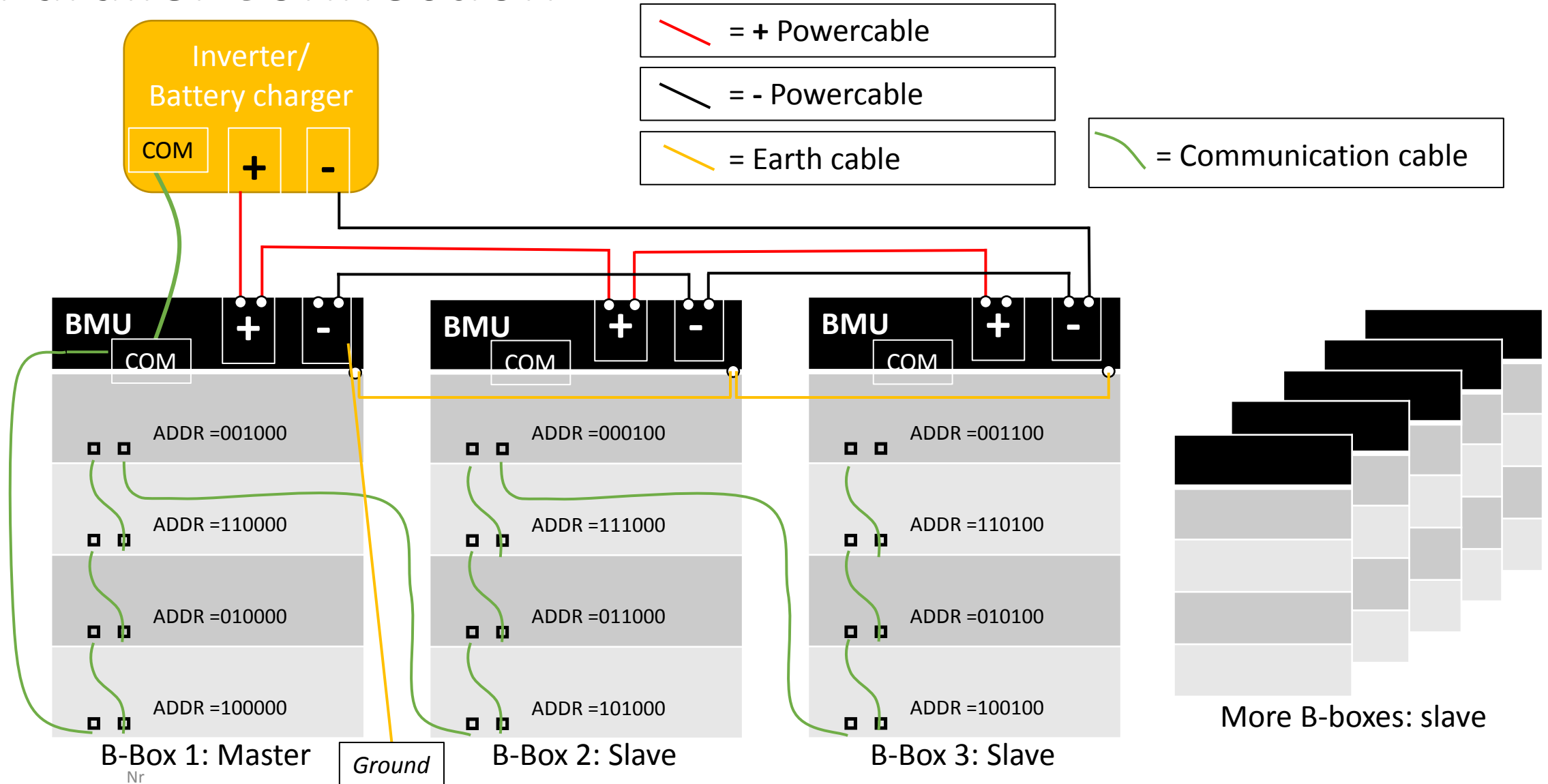
Included in Battery

Communication
cables

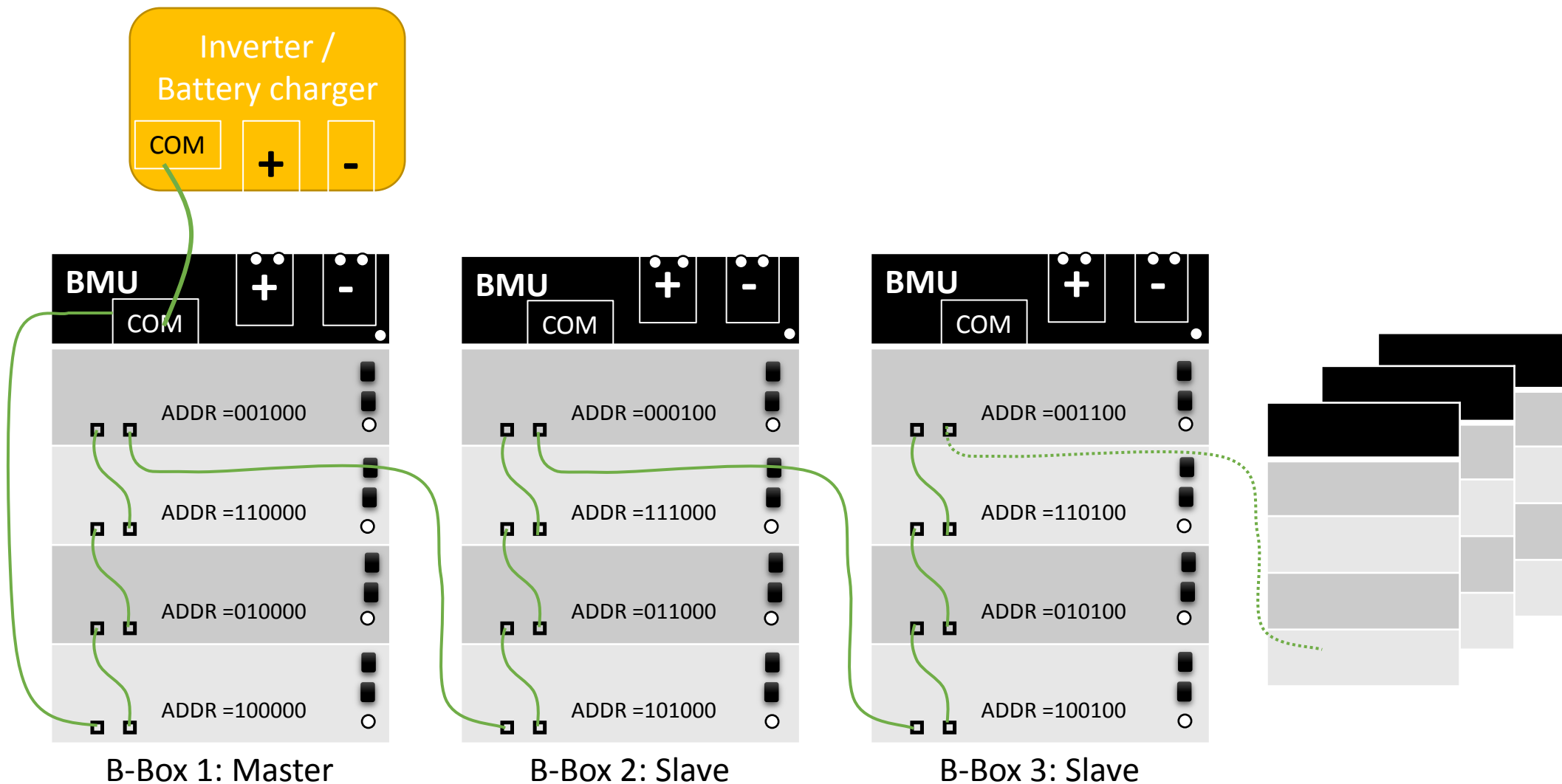


Included in BMU

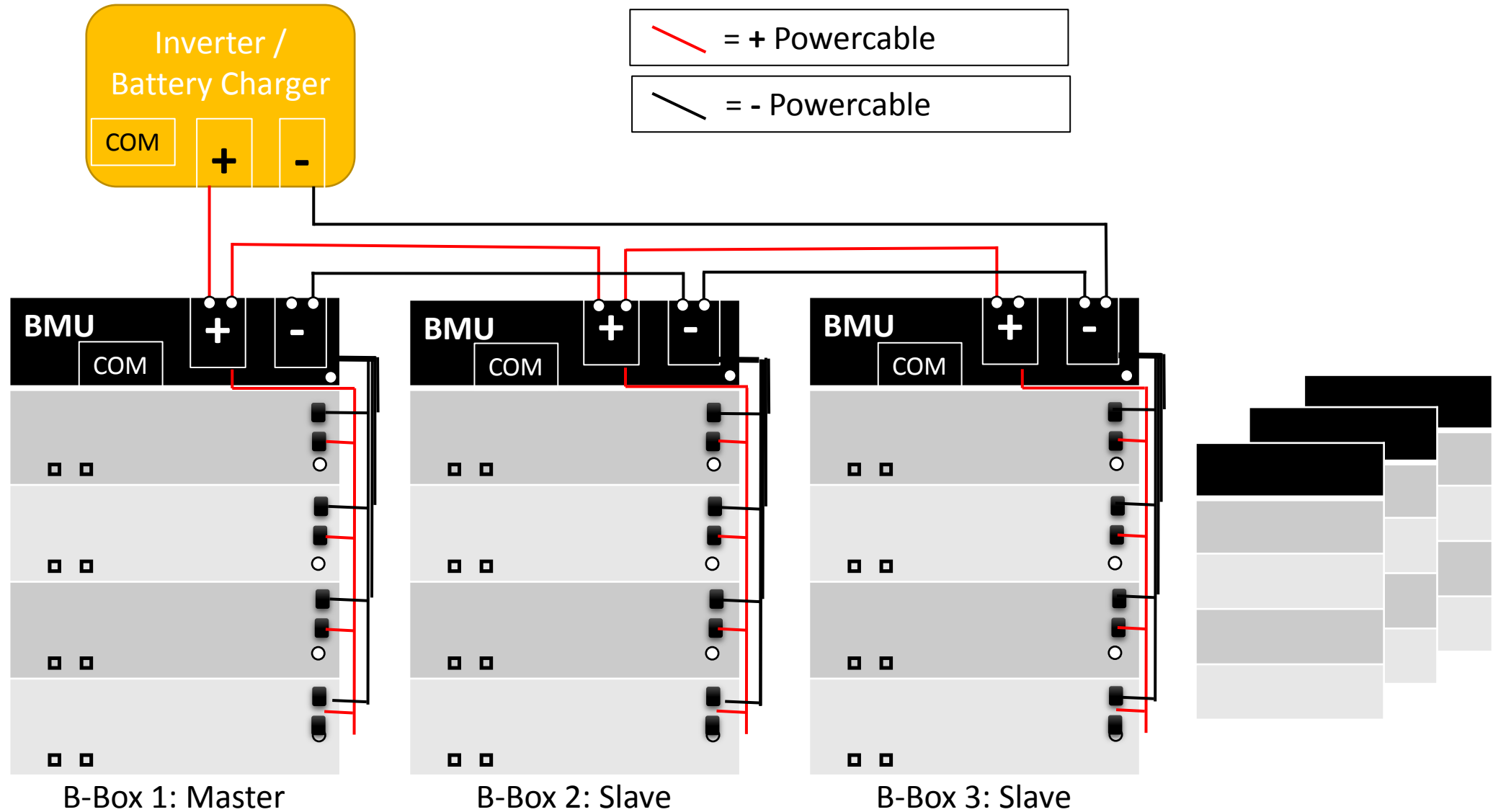
Parallel Connection



Parallel Communication



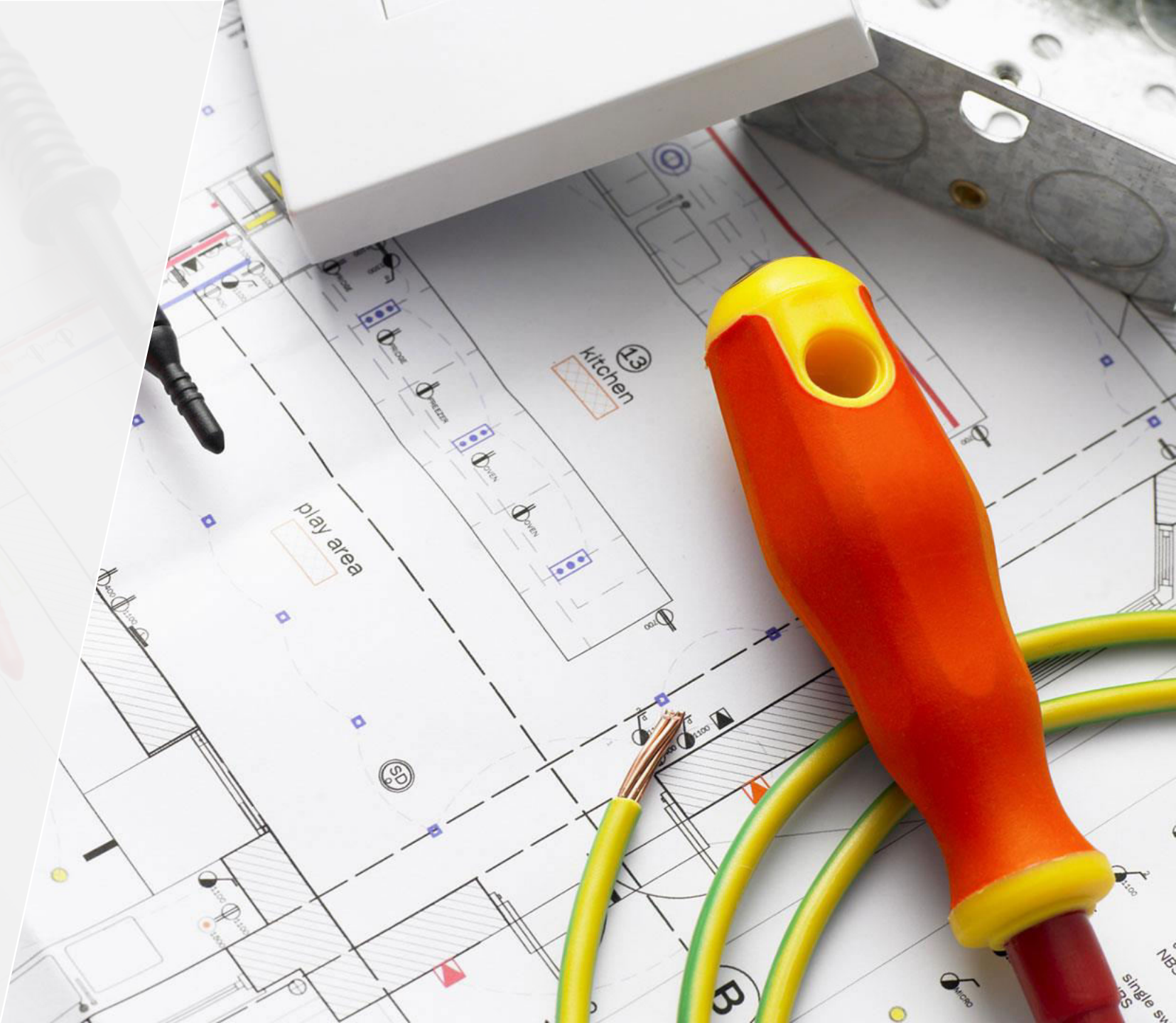
Parallel Power



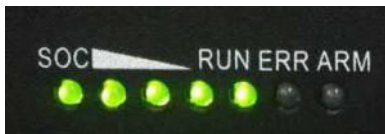
Part B

SERVICE TRAINING

✓ Simple diagnostic



LED Lighting - Diagnosis

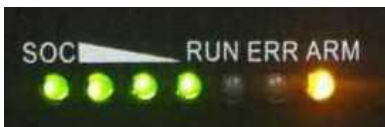


1.RUN LED (Green):

Battery discharging : Flash(blink) / 2HZ

Battery charging: Flash(blink)/ 1HZ

Standby: Stabile

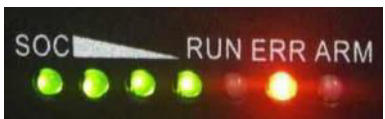


2.ALARM LED(Orange): Stabile

Over discharge and charge voltage ,over Temperature(high &low) ,over discharge/charge current, Short circuit, Reverse protection.

Flash 0.5Hz

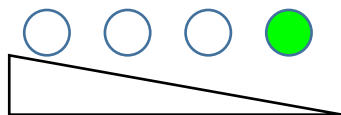
Will power off.



3.ERROR LED(Red) Stabile

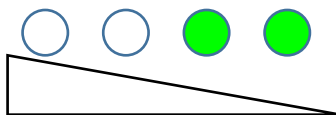
Cell damage(<1.5V or >4.1V), BMS damage.

4.SOC LED (4 green LEDs)

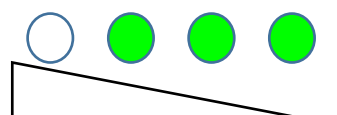


SOC<=25%

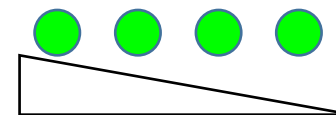
Charging : High LED blink



SOC<=50%



SOC<=75%



SOC<=100%



Buzzer

Buzzer intermittent

buzz each 15 Seconds,

Repeat N times Represent different meanings

- 4 Times: reverse protection, short circuit ect, highest alarm level
- 3 Times: batteries or Cell damage(<1.5V or >4.1V),),higher alarm level
- 2 Times: voltage sensor failure, temperature sensor failure
- 1 Times: charge mosfet or discharge mosfet broken, lower alarm level