







World leader in Active balance BMS



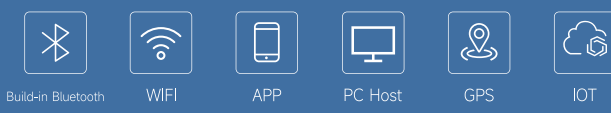
Product catalog

Product name	Continous current	Equalization current	Compatible strings
 Smart Active Balance BMS	40~500A	1A	4~8S/8~17S 8~24S
 Hardware 1A Active Balancer	/	1A	3~16S
 Smart 1A Active Balancer	/	1A	3~24S
 Hardware 5A Active Balancer	/	5A	3~16S

Smart Active balance BMS integrates the traditional smart bms and active balancer and bluetooth function into one, with active balancing ,intelligent multiple strings, multi-way communication and so on.

Active balancer module refers to the module with active balancing function, without protection function, it can be used with any brand of traditional BMS to make the traditional BMS also has active equalization function as well.

Smart Active balance BMS integrates the traditional smart BMS and active balancer and bluetooth function into one, with active balancing ,intelligent multiple strings, multi-way communication and etc..



Remote control BMS data anytime and anywhere via Wifi module





Compliance to India New NORMS
AIS-156 REV3

Smart BMS with 5 temp sensor+Buzzer
(IP67) with LED

100Balance Smart active balance BMS
compatible with various mainstream
inverter brands



Specification parameter

1、Basic specifications

Index	Specification
Battery pack type	Li-ion、LifePO4、LTO
Number of battery strings	Li-ion: 4-8S/8-17S/8-20S LifePO4: 4-8S/8-17S/8-24S LTO: 6-8S/8-17S/8-24S
Cell sampling voltage range	1.5V-4.9V
Operating voltage range	> 10V
Balance method	Active Balance
Continuous balance current	1000mA
Working power consumption	≤1W
Sleep current	≤1.5mA
Working temperature	-40°C ~ 85°C
Indicator light	Green: works properly Red: Alarm or protection
Product size	40-100A:167.5*65.5*15mm 150A:176.7*66*16mm 200A:176.7*66*21mm 250-500A:195.8*109.3*26mm

Model	Compatible Strings	Continuous Discharge current	Max Discharge current (Delaytime 1±0.8S)	Continuous charge current
R24TK1A-8S 40A	4-8	40A	60A	40A
R24TK1A-8S 60A	4-8	60A	90A	60A
R24TK1A-8S 80A	4-8	80A	120A	80A
R24TK1A-8S 100A	4-8	100A	150A	100A
R24TM1A-8S 150A	4-8	150A	225A	150A
R24TM1A-8S 200A	4-8	200A	300A	200A
R24TS1A-8S 250A	4-8	250A	375A	250A
R24TS1A-8S 300A	4-8	300A	450A	300A
R24TS1A-8S 400A	4-8	400A	600A	400A
R24TS1A-8S 500A	4-8	500A	750A	500A
R24TK1A-17S 40A	8-17	40A	60A	40A
R24TK1A-17S 60A	8-17	60A	90A	60A
R24TK1A-17S 80A	8-17	80A	120A	80A
R24TK1A-17S 100A	8-17	100A	150A	100A
R24TM1A-17S 150A	8-17	150A	225A	150A
R24TM1A-17S 200A	8-17	200A	300A	200A
R24TS1A-17S 250A	8-17	250A	375A	250A
R24TS1A-17S 300A	8-17	300A	450A	300A
R24TS1A-17S 400A	8-17	400A	600A	400A
R24TS1A-17S 500A	8-17	500A	750A	500A
R24TK1A-24S 40A	8-24	40A	60A	40A
R24TK1A-24S 60A	8-24	60A	90A	60A
R24TK1A-24S 80A	8-24	80A	120A	80A
R24TK1A-24S 100A	8-24	100A	150A	100A
R24TM1A-24S 150A	8-24	150A	225A	150A
R24TM1A-24S 200A	8-24	200A	300A	200A
R24TS1A-24S 250A	8-24	250A	375A	250A
R24TS1A-24S 300A	8-24	300A	450A	300A
R24TS1A-24S 400A	8-24	400A	600A	400A
R24TS1A-24S 500A	8-24	500A	750A	500A

Application scenario

 Built-in Bluetooth

 Multi-Communication

 Multi-accessories

 Safe Parrelling

 Full protection

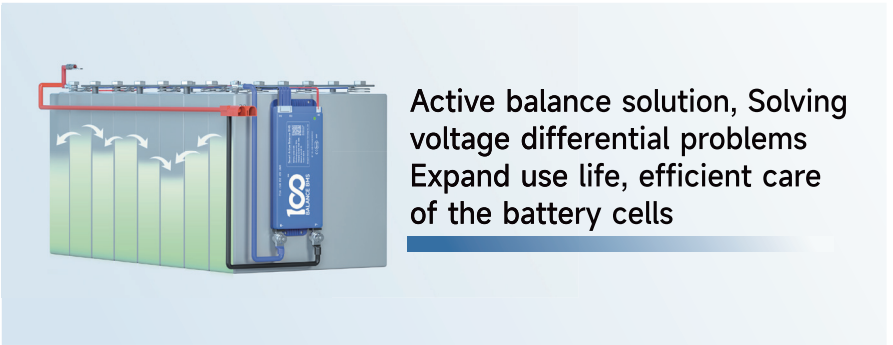
 Easy Operation

 Built-in current limit

 Intelligent Multiple Strings



Core Technology



Built-in current limit



Safe Parrelling



Capactiy Increase

Basic protection functions

- ↑ Overcharge protection
- ↓ Over discharge protection
- ⚡ Overcurrent protection
- ⊖ Short circuit protection
- °C Temperature protection

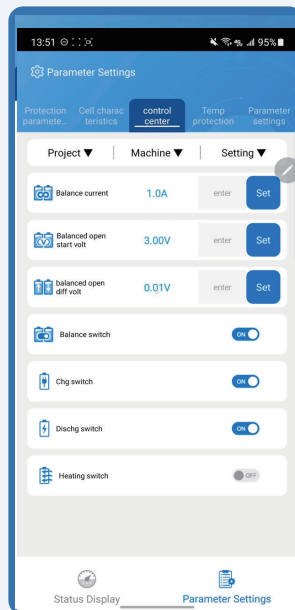
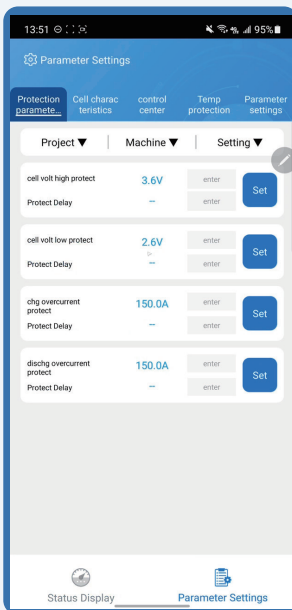
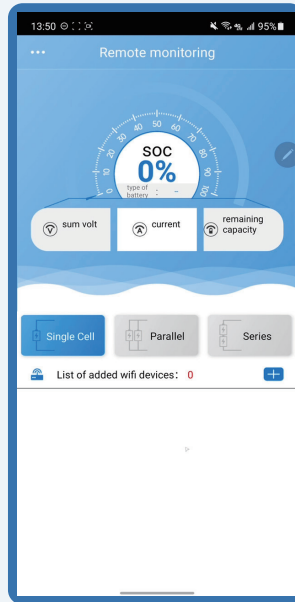
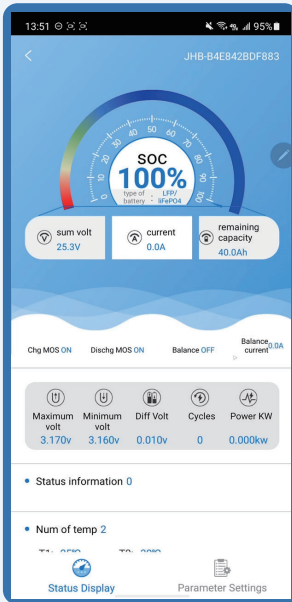
Extra protection features

- ⚡ Pre-charge protection
- ✖ Misconnection protection
- ⊖ All-in protection
- ⊖ Parallel protection

Bluetooth APP

APP DOWNLOAD: **search "BalanceBMS" from iOS Store and Google store and download and install**

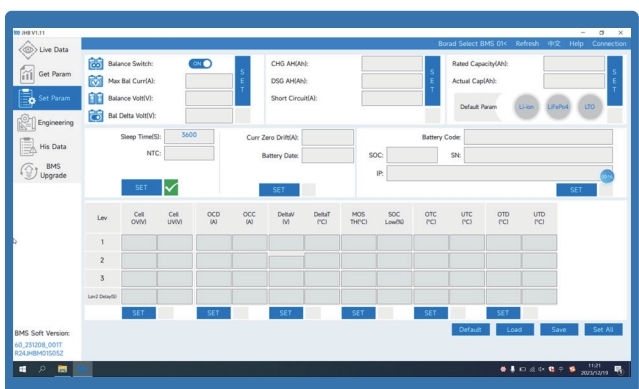
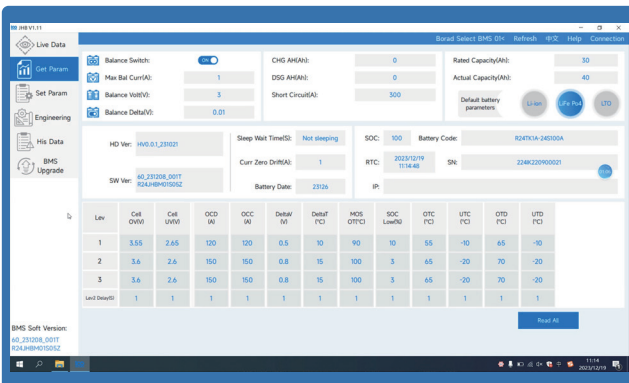
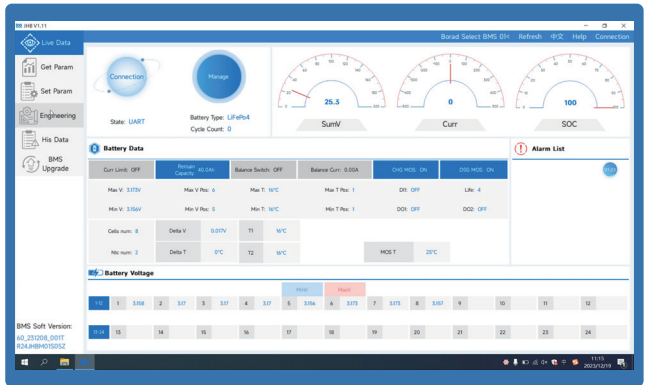
APP USE: Built-in Bluetooth module, WIFI module (WIFI remote transmission, distance is no longer a problem), It can be connected through mobile phone APP, convenient to read real-time of the battery information and parameter settings.



PC Host Program For BMS

PC Host DOWNLOAD: Official website, APP store, Official Accounts , ask Customer service .

PC Host use: UART communication cable, 485 communication cable, CANbus Module connected to the PC Host to read real-time of the battery status and more professional parameter settings.



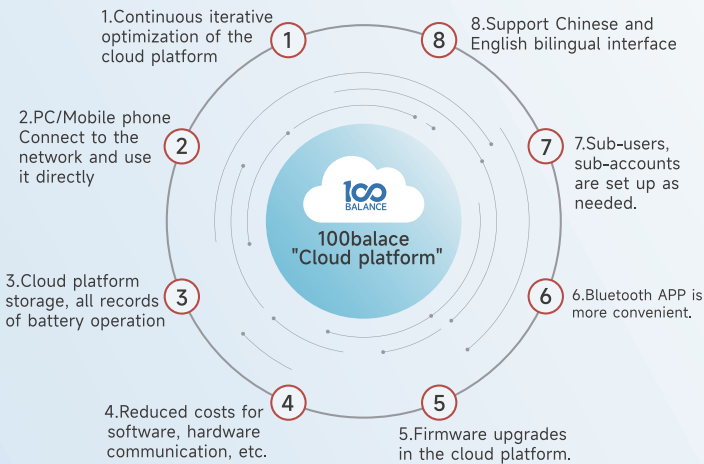
Cloud Platform

What is "IoT Cloud Platform"?

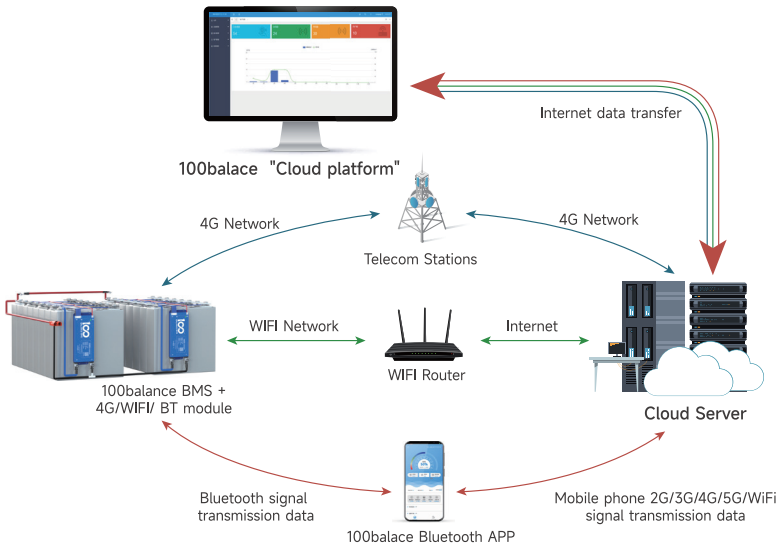
Cloud platform website:<http://databms.com>

IoT Cloud Platform is 100balance's BMS online management platform for integrators, PACK manufacturers, battery users etc. It realizes the remote, visible and cloud-based integrated management of intelligent BMS, thus significantly surpassing the previous control experience of smart bms, Bluetooth module and Bluetooth APP.

Eight Advantages of Cloud Platform



"Cloud Platform " How to get battery data?



Multiple Accessories

(Standard NTC-A with 2 sensors) (NTC-B with additional 2 sensors can support with buying NTC-B cable.



Noted :Please be subject to the actual products.