

CELS INSIDE

CAPACITY	BRAND &MODEL
2200mAh	CHINESE CELL
2600mAh	CHINESE CELL
	LG M26
	SAMSUNG 26H
2900mAh	LG MG1
	SANYO(PANASONIC) PF
3350mAh	LG F1L
3500mAh	LG MJ1
	SANYO(PANASONIC) GA



CHINESE CELL



LG M26



SAMSUNG 26H



LG MG1



SANYO PF



LG F1L



LG MJ1



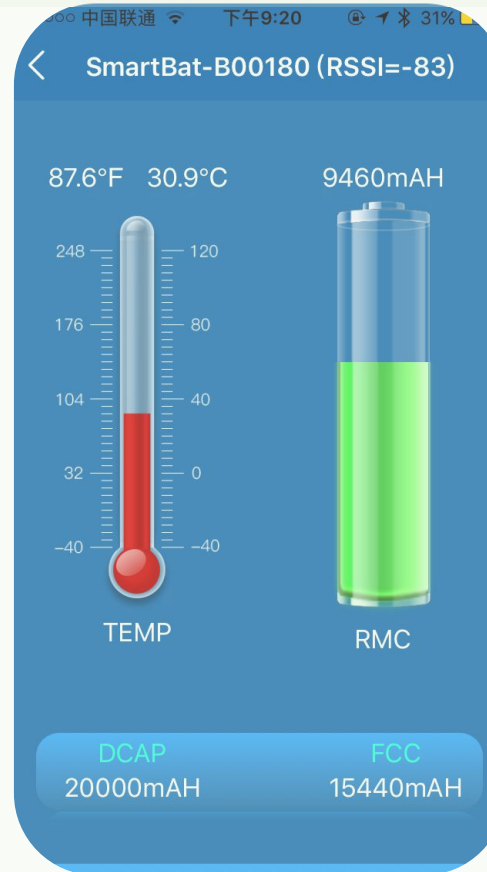
SANYO GA



E-bike Battery Packs with Smart BMS



KOK POWER



SmartBat-B00180 (RSSI=-86)

Name	Voltage
Cell1	3649mV
Cell2	3650mV
Cell3	3653mV
Cell4	3659mV
Cell5	3636mV
Cell6	3650mV
Cell7	3655mV
Cell8	3656mV
Cell9	3676mV
Cell10	3641mV
Cell11	3644mV

- Support Bluetooth 4.0
- Communication range covering 10m
- Selective gauge IC to detect total voltage of the battery pack or voltage of each series
- Real-time remote monitoring static and dynamic status of battery pack.

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KOK POWER BATTERY ASSEMBLY FLOW



MULTI-CHANNEL
18650 SELECTOR

1

CELL SELECTION&GROUP
select and group the cells according
to voltage, capacity, inner resistance



2

CELL INSULATION PROCESSING
apply insulation pad to the polarities
of the cells



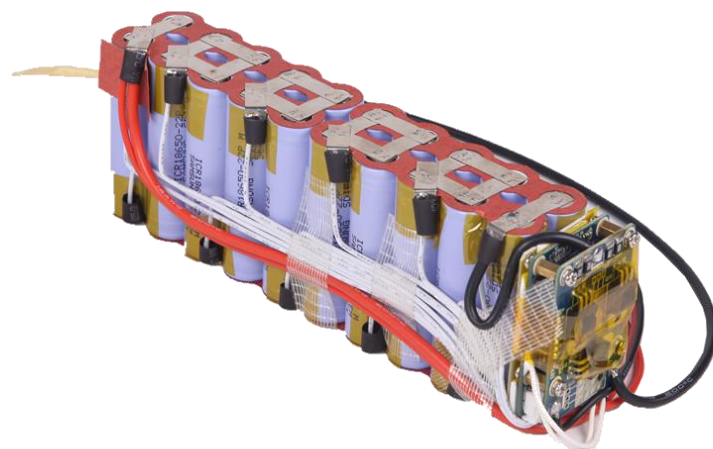
3

FIX CELLS IN BATTERY HOLDERS /GLUE CELLS



4

TAILOR-MADE
WELDING POSITION
TOOL



6

BMS CONNECTION

5

AUTOMATIC WELDING





7

PRELIMINARY TEST

8

BATTERY PACKING



9

BATTERY AGING TEST



BATTERY / CELL TEST PROCEDURE

ACCORDING TO UN38.3



ALTITUDE SIMULATION
simulating air transport under low-pressure conditions

1



VIBRATION TEST
simulating vibration during transport

3



TERMAL TEST
assessing cell and battery seal integrity and internal electrical connections; conducted using ra and extreme temperature changes

2



SHOCK TEST
simulating possible impacts during transport

4



EXTERNAL SHORT CIRCUIT
simulating an external short circuit

4



OVERCHARGE
evaluating the ability of a
rechargeable battery to withstand an
overcharge condition

6



IMPACT/CRUSH
simulating mechanical abuse from an
impact or crush that may result in an
internal

5



FORCED DISCHARGE
evaluating the ability of a rechargeable
battery to withstand an overcharge
condition

7



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