



ludwich66 /

Quansheng_UV-K5_Wiki



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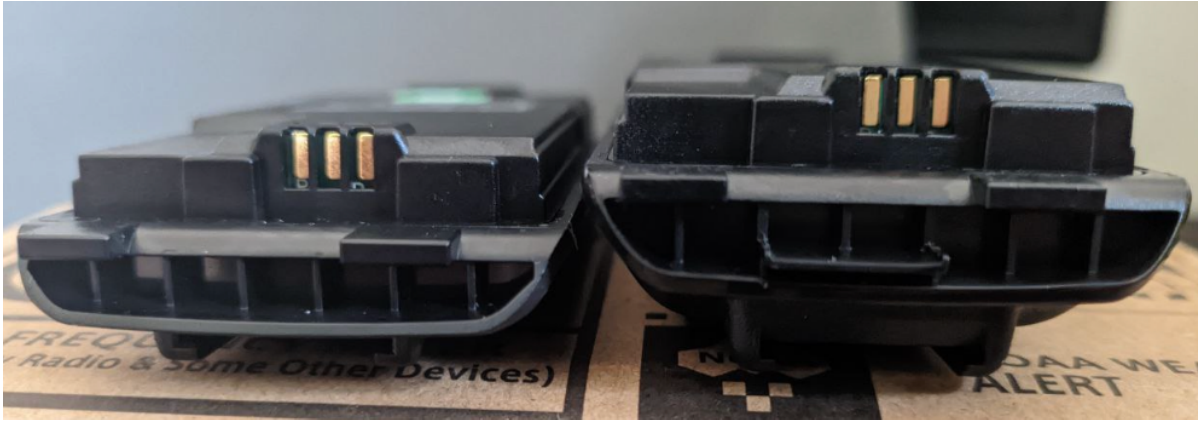
Battery

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ludwich66 edited this page on Dec 16, 2023 · 34 revisions

Two Models of Battery

- BPK5 Battery nominal 7,2 V / 1600 mAh / 11,52 Wh / 83 gr. / 15,4 mm high
- BPK5 Battery nominal 7,2 V / 2200 mAh / 15,84 Wh / 114 gr. / 21,8 mm high (Standart on UV-5R Plus, only with Modification on other Models usable)



1. BPK5 Battery nominal DC 7.2 V / 1600 mAh / 11,52 Wh / 83 gr / 15,4 mm high

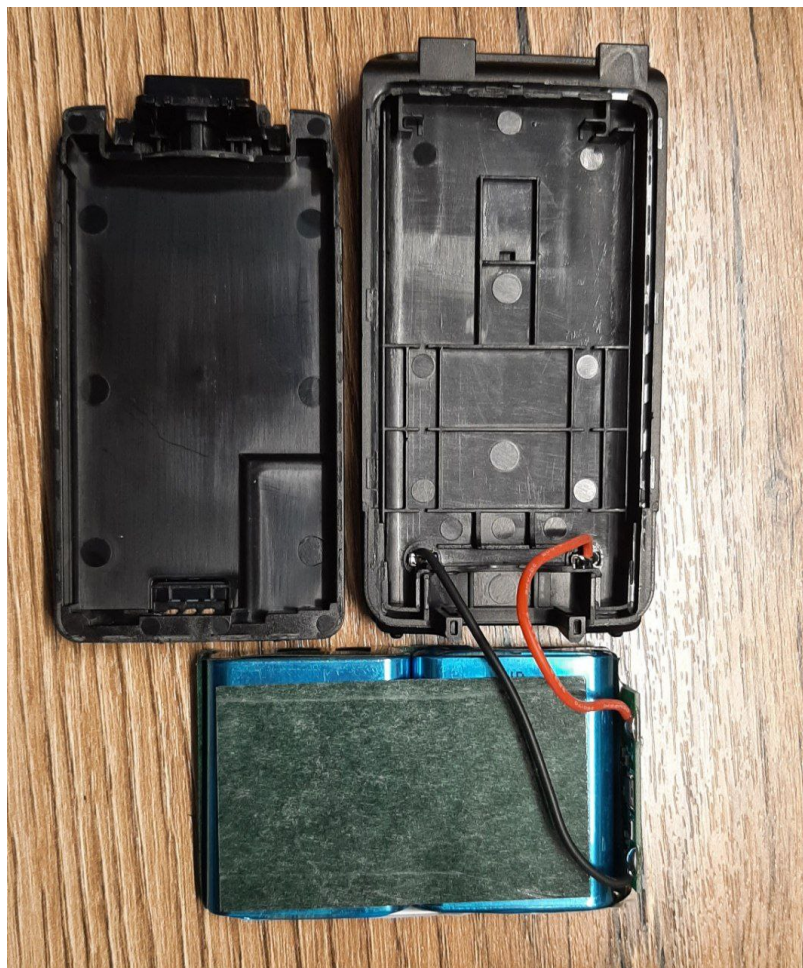
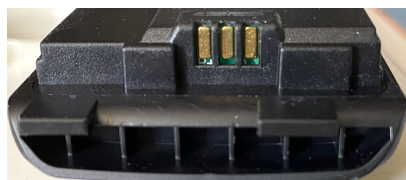
[see PCB R51-V1.2](#)

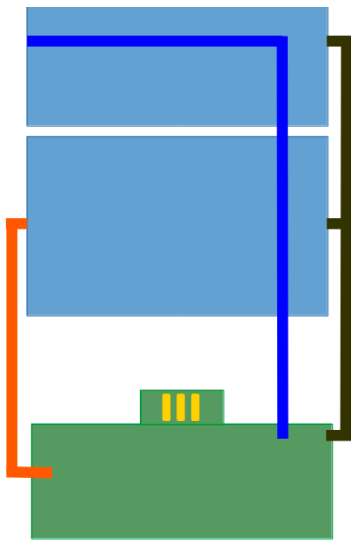
[see Schematic](#)

Battery real 7,2V / 1400mAh (see Teardown)



Contact and PushLook



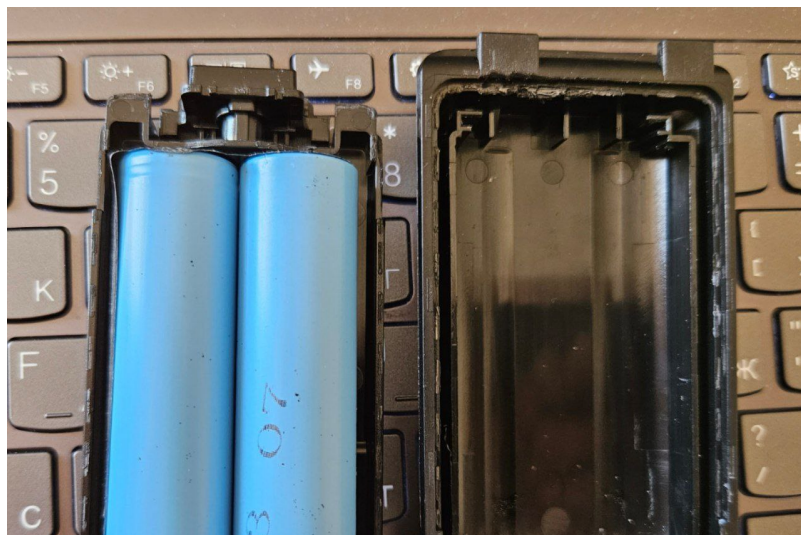


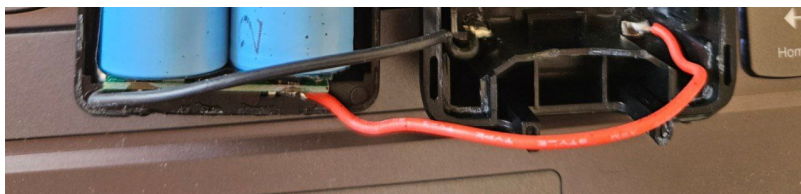
2. BPK5 Battery nominal DC 7.2 V / 2200 mAh / 15,84 Wh

Source: EN DEV Telegram Channel

User: Red Cat

[see PCB R51H-V1.0](#)





Model Number	LXD 18650-20P3
Place of Origin	Sichuan, China
Weight	43.0, 43.0±1g
Battery type	Li-ion Battery
Capacity	2000mAh
Nominal Voltage	3.6V
Discharge Ending Voltage	2.75V
Charge Ending Voltage	4.20±0.05V
Max. Continuous Discharging Current	6A
Max. Short Time Discharging Current	10A
Dimension	18.50mm*65.20mm

3. Hardware Mods & Measurements

Tests

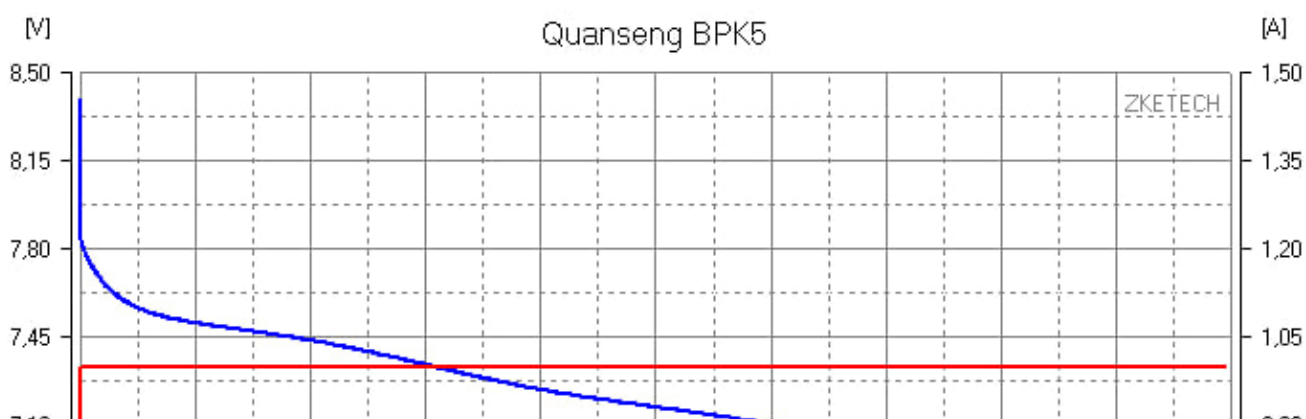
measurement by ludwich (29-06-2023)

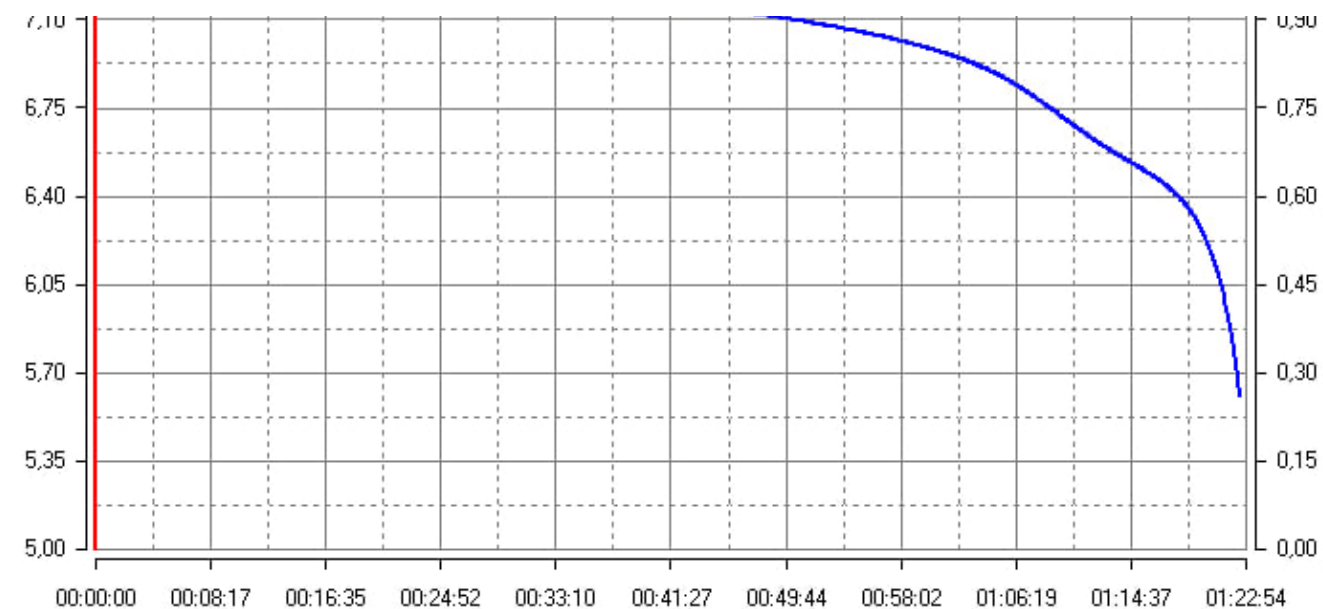
1350mAh @1A-to-6V (Fresh Akku on second charge)

Overcharge-Protection: todo

Deep-Discharge-Protection: 5,3V Cutoff

Accu Warning: Voice Message "Low Voltage" multiple Times lower then 6.9 Volts (K5)





Device	Mode	Begin Volt	Cutoff Volt	Capacity	Energy	Avg Volt	CurveV	CurveA
EBD-M05	D-CC 1,00A 5,60V	08,39V	05,60V	1374mAh	9772mWh	7,11V		

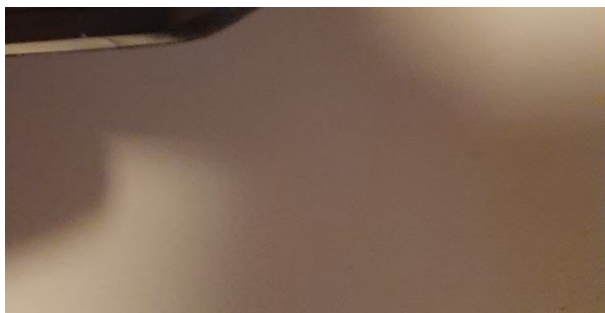
(Chart from MARCOS)

@Matt

Mod: Usage of bigger UV-5R-Plus Battery on UV-K5(others) (normal BPK5 1600 mAh Battery)

ToDo: Cut middle "Nose" to fit in Standart Socket.





Bigger Battery on UV-K5



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Developer community

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https://github.com/ludwich66/Quansheng_UV-K5_Wiki.wiki.git

