

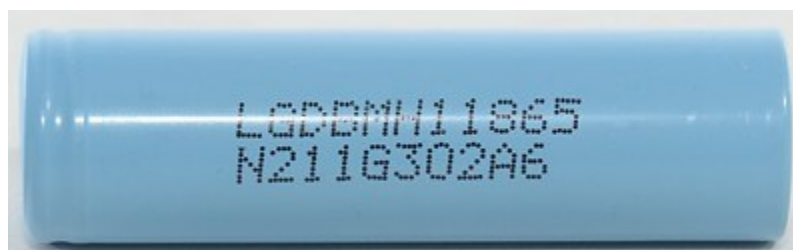
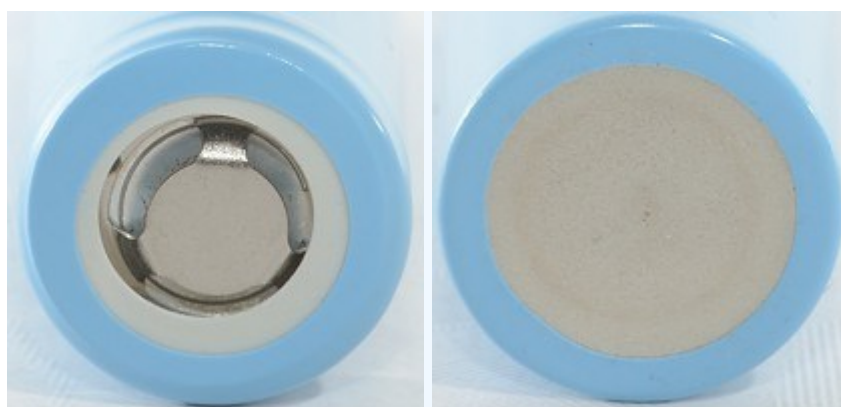
LG 18650 MH1 3200mAh 10A 3.7V Battery (Cyan)



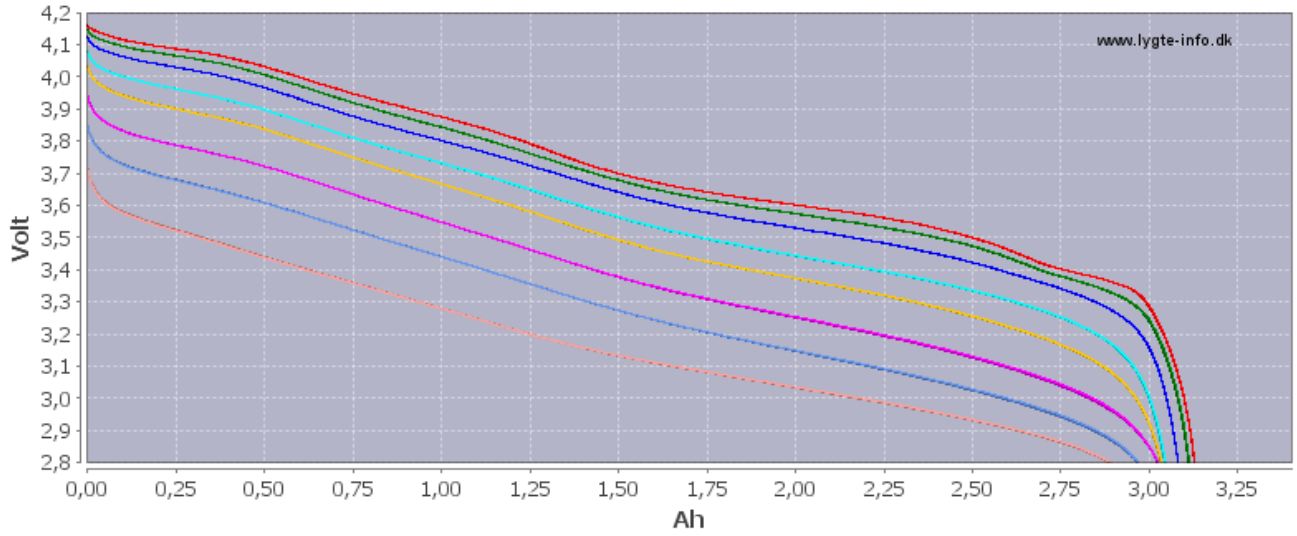
Official specifications:

1. Nominal capacity: 3200 mAh
2. Minimum capacity: 3100 mAh
3. Nominal Voltage: 3.63V
4. Standard Charge: Constant current 0.5C (1550mA), Constant voltage 4.2V, End current(Cut off) 50mA
5. Max. Charge Voltage: $4.2 \pm 0.05V$
6. Max. Charge Current: 1.0 C (3100mA)
7. Standard Discharge: Constant current 0.2C (620mA), End voltage(Cut off) 2.5V
8. Max. Discharge Current: 10A
9. Weight Approx.: 49.0 g
10. Cycle life: 500 (0.5C charge and discharge)
11. Operating Temperature: Charge $0 \sim 45^{\circ}C$, Discharge $-20 \sim 60^{\circ}C$
12. Storage Temperature: 1 month $-20 \sim 60^{\circ}C$, 3 month $-20 \sim 45^{\circ}C$, 1 year $-20 \sim 20^{\circ}C$

Name	LG 18650 MH1 3200mAh (Cyan)					
Cell	LG 18650 MH1 3200mAh (Cyan)					
Supplier	Akkuteile sku:100679				Date:	11-2014
Size	Weight:	47.1 g	Length:	65.1 mm	Diameter:	18.4 mm
Info	Top:	flat	Bottom:	metal	Rated A:	10.0
Test condition	Charge voltage:		4.2	Termination current:		0,1
Test current (A)	0,2	0,5	1	2	3	5
Measured capacity (Ah)	3,127	3,112	3,081	3,045	3,034	3,026
Measured energy (Wh)	11,606	11,478	11,254	10,904	10,662	10,283
PCB protection trip current (A)	NA					
Calculated internal resistance (ohm)	0,07					

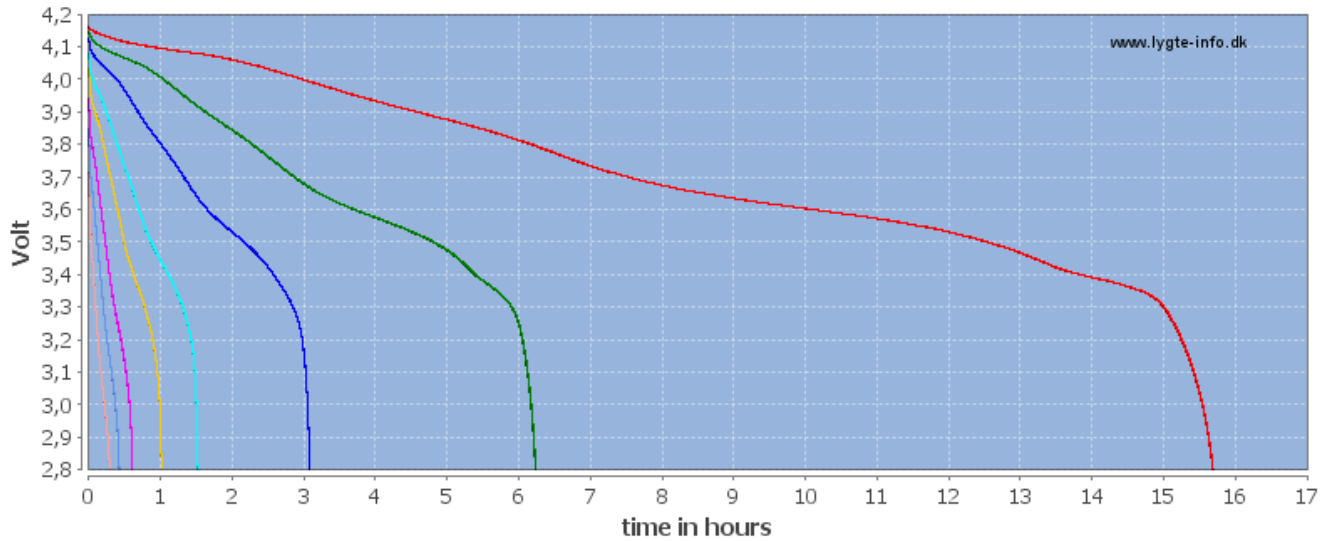


Discharge, capacity: LG 18650 MH1 3200mAh (Cyan)

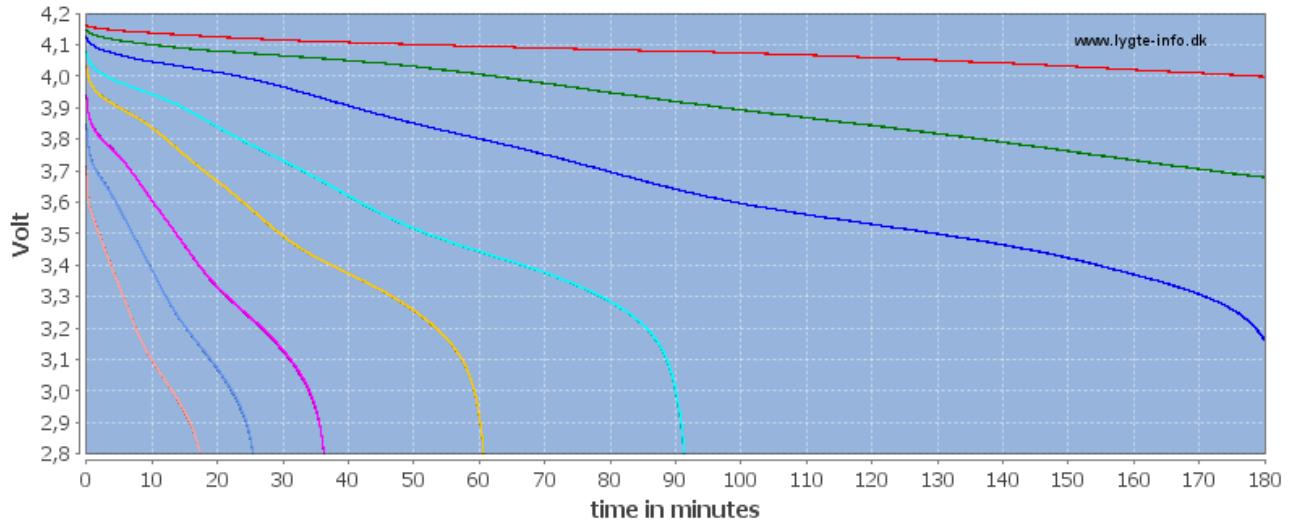


The matching between the two cell is very impressive and capacity do not drop much with load. I looks like the rated current of 10A is very resonable.

Discharge, time: LG 18650 MH1 3200mAh (Cyan)

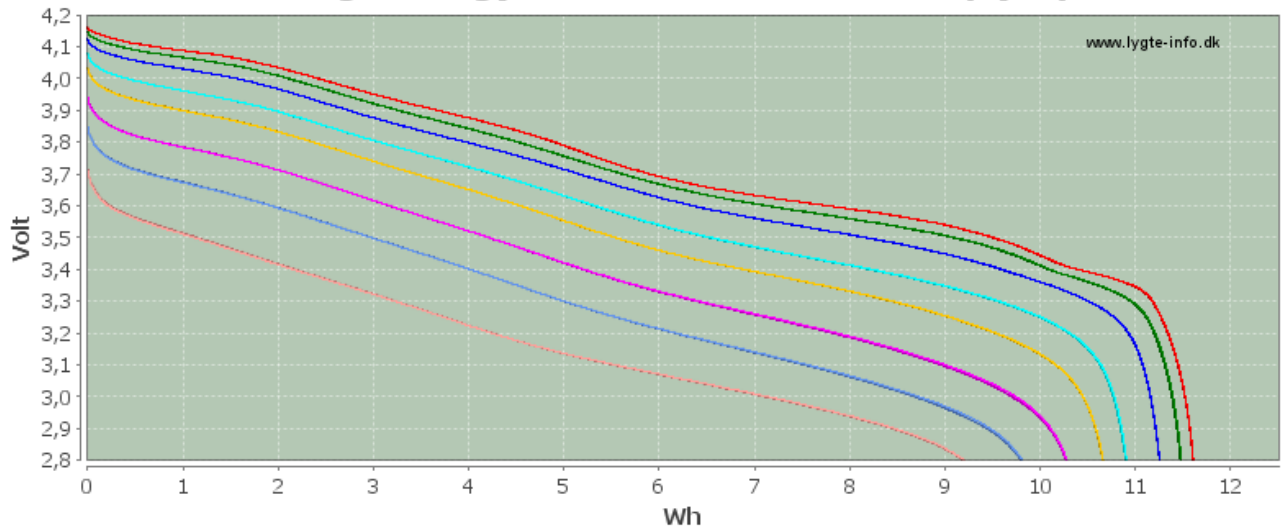


Discharge, time: LG 18650 MH1 3200mAh (Cyan)



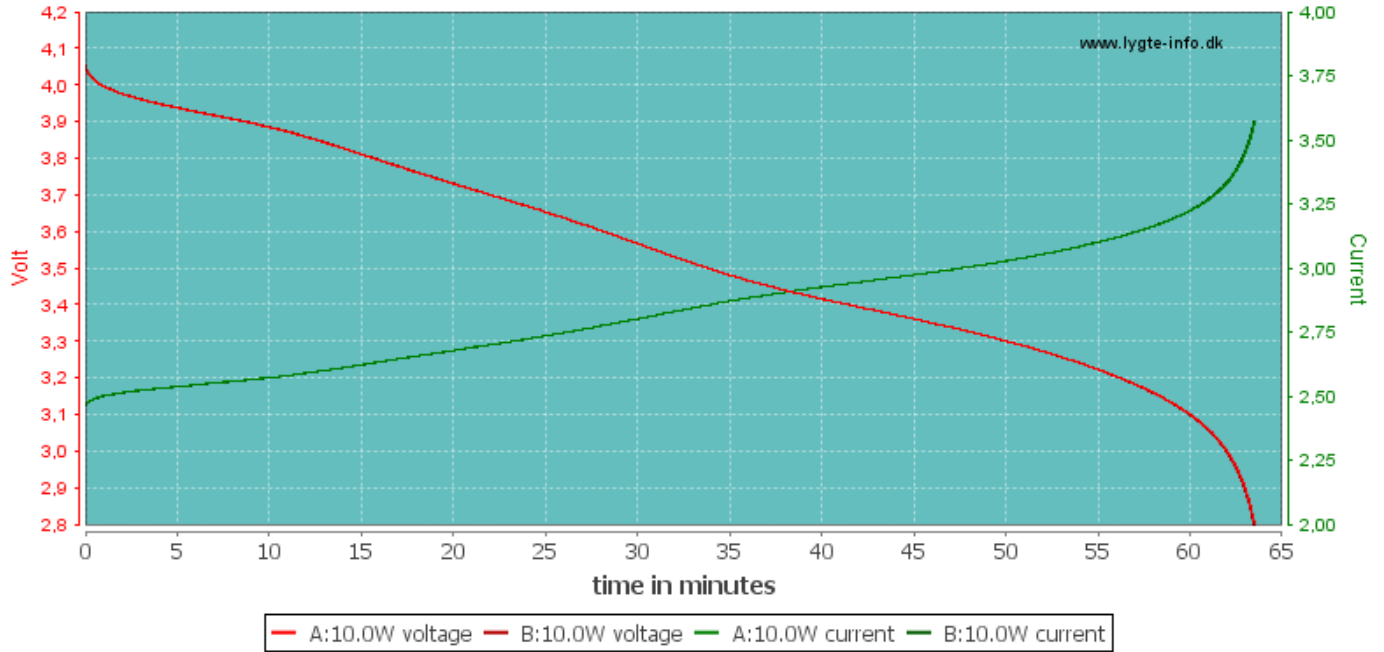
- A:0.2A
- B:0.2A
- A:0.5A
- B:0.5A
- A:1.0A
- B:1.0A
- A:2.0A
- B:2.0A
- A:3.0A
- B:3.0A
- A:5.0A
- B:5.0A
- A:7.0A
- B:7.0A
- A:10.0A
- B:10.0A

Discharge, energy: LG 18650 MH1 3200mAh (Cyan)

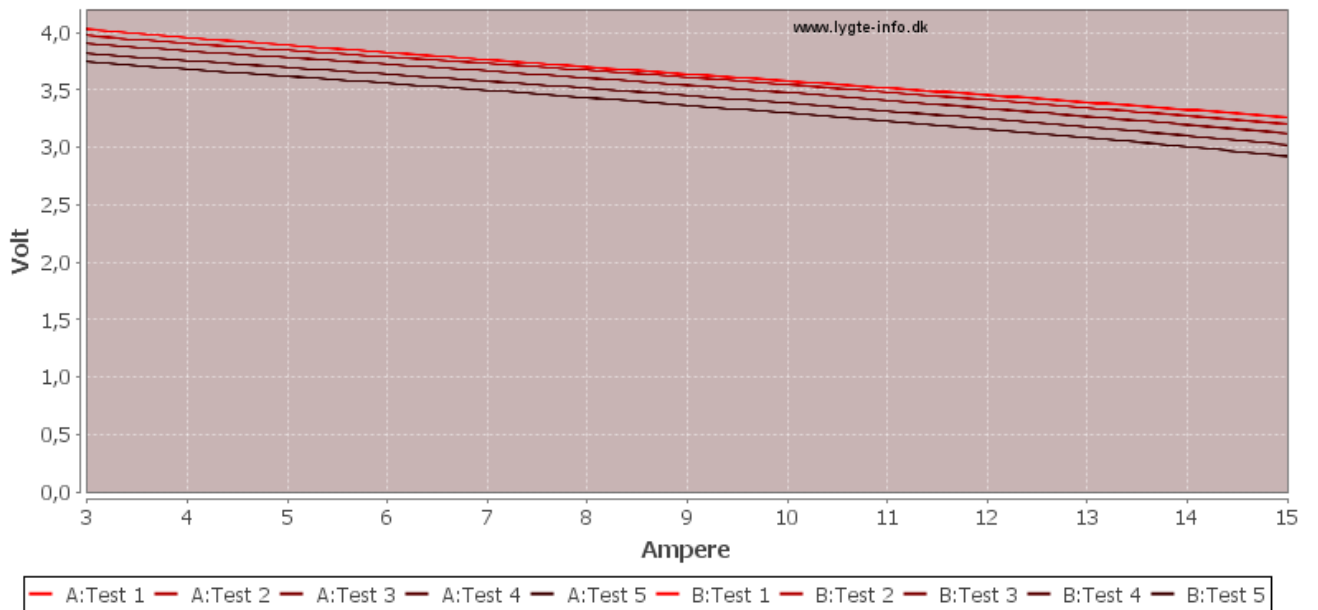


- A:0.2A
- B:0.2A
- A:0.5A
- B:0.5A
- A:1.0A
- B:1.0A
- A:2.0A
- B:2.0A
- A:3.0A
- B:3.0A
- A:5.0A
- B:5.0A
- A:7.0A
- B:7.0A
- A:10.0A
- B:10.0A

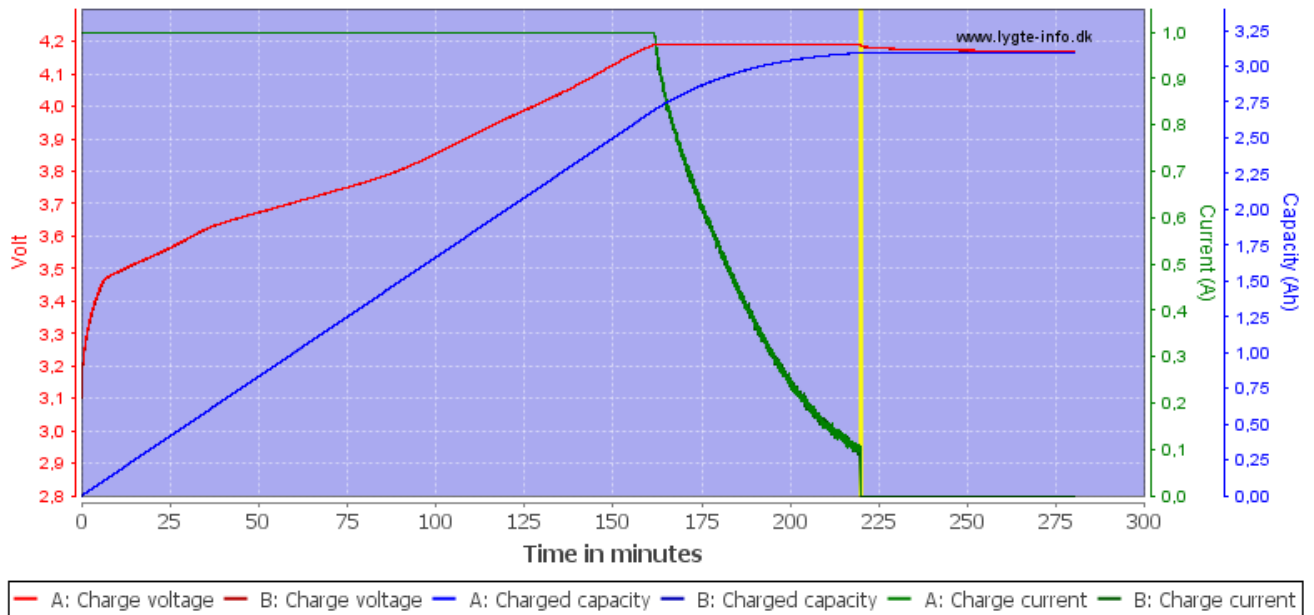
Discharge, power: LG 18650 MH1 3200mAh (Cyan)



Protection test: LG 18650 MH1 3200mAh (Cyan)



Charging: LG 18650 MH1 3200mAh (Cyan)



Conclusion

There is not much to say about this cell, it looks like a very good cell and is designed for use with standard 4.2 volt chargers