

EAIEP INR18650-33E 3300mAh (Pink)



Official specifications:

- Cell Type : Li-ion
- Battery type : INR18650-33E
- Capacity : 3000-3400 mAh
- Voltage : 3.7V
- Size: Ø18mm x 65 mm
- Weight: 46g

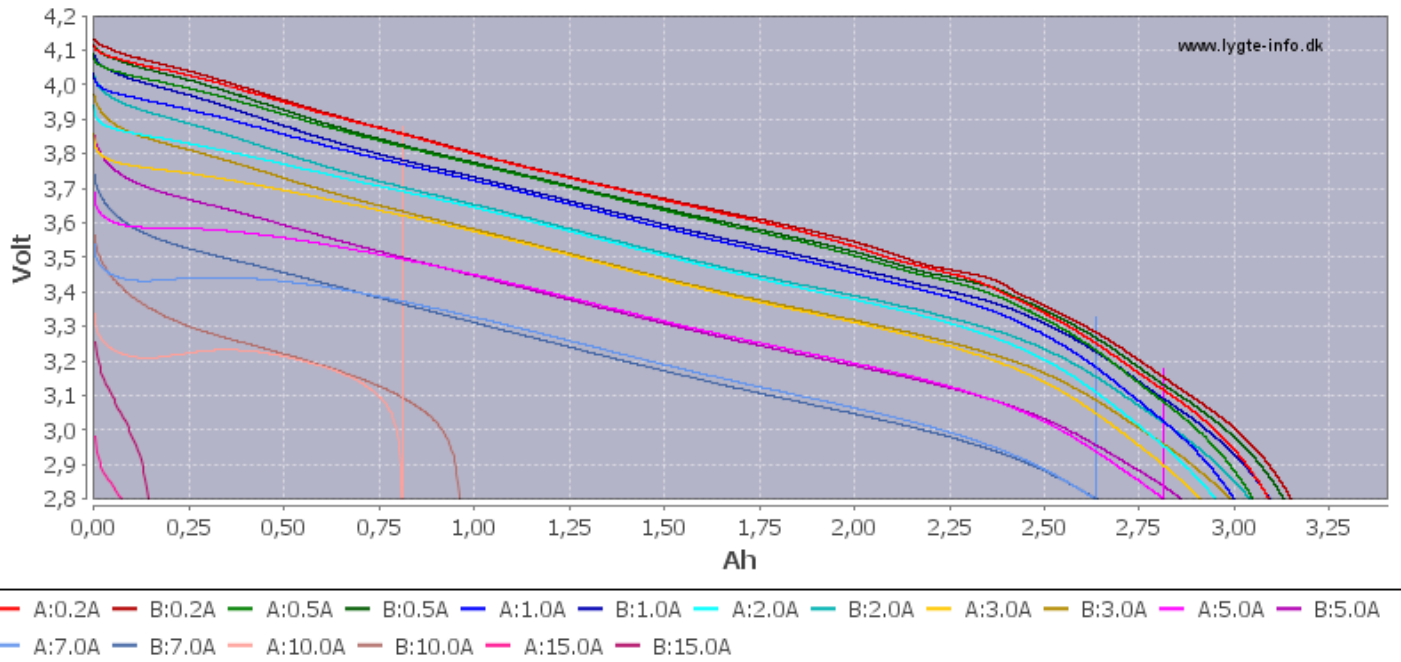
Name	EAIEP INR18650-33E 3300mAh (Pink)					
Cell						
Supplier	Aliexpress dealer EAIEP store				Date:	12-2018
Size	Weight:	48.5 g	Length:	65.0 mm	Diameter:	18.4 mm
Info	Top:	flat	Bottom:	metal	Rated A:	
Test condition	Charge voltage:		4.2	Termination current:		0,1
Test current (A)	0,2	0,5	1	2	3	5
Measured capacity (Ah)	3,120	3,090	3,047	2,996	2,950	2,838
Measured energy (Wh)	11,278	11,109	10,842	10,459	10,121	9,433
PCB protection trip current (A)	NA					
Calculated internal resistance (ohm)	0,24					

A 18650 battery with the same name similar to Samsung naming, is this a Samsung battery?



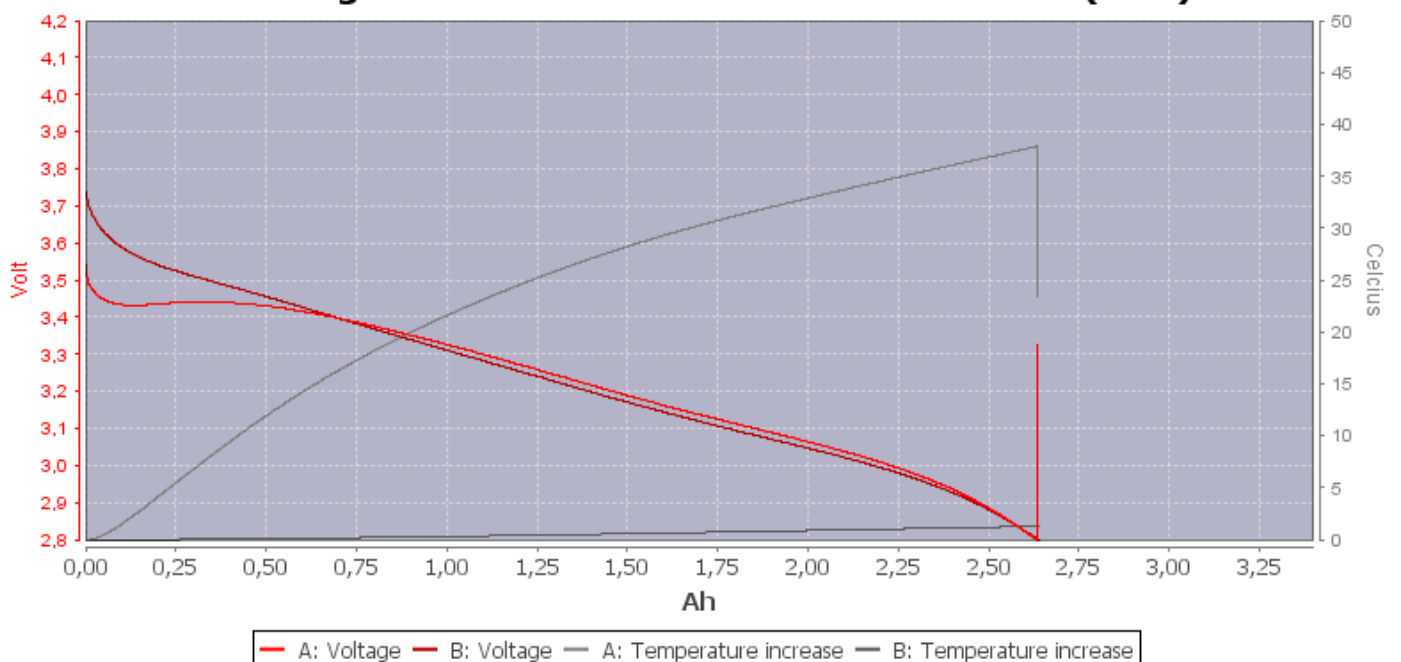


Discharge, capacity: EAIEP INR18650-33E 3300mAh (Pink)



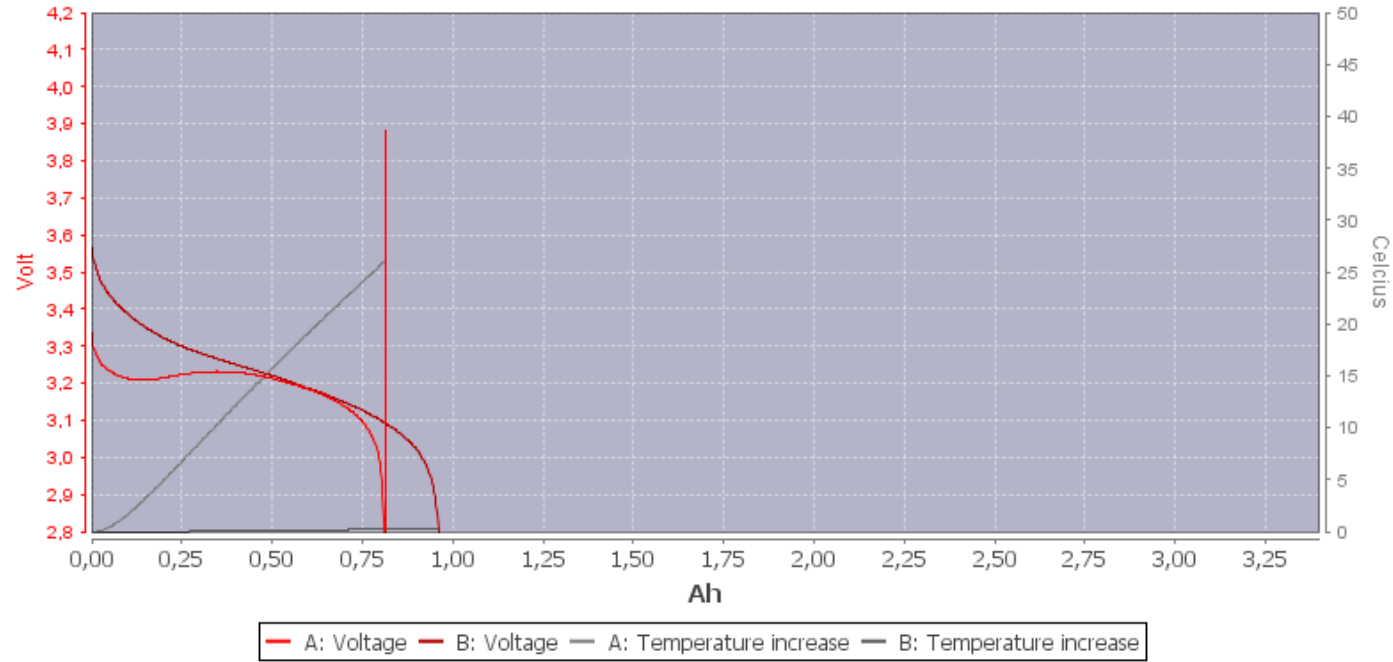
The battery can "only" deliver up to 7A and the cells is not perfectly matches.

Discharge 7.0A: EAIEP INR18650-33E 3300mAh (Pink)

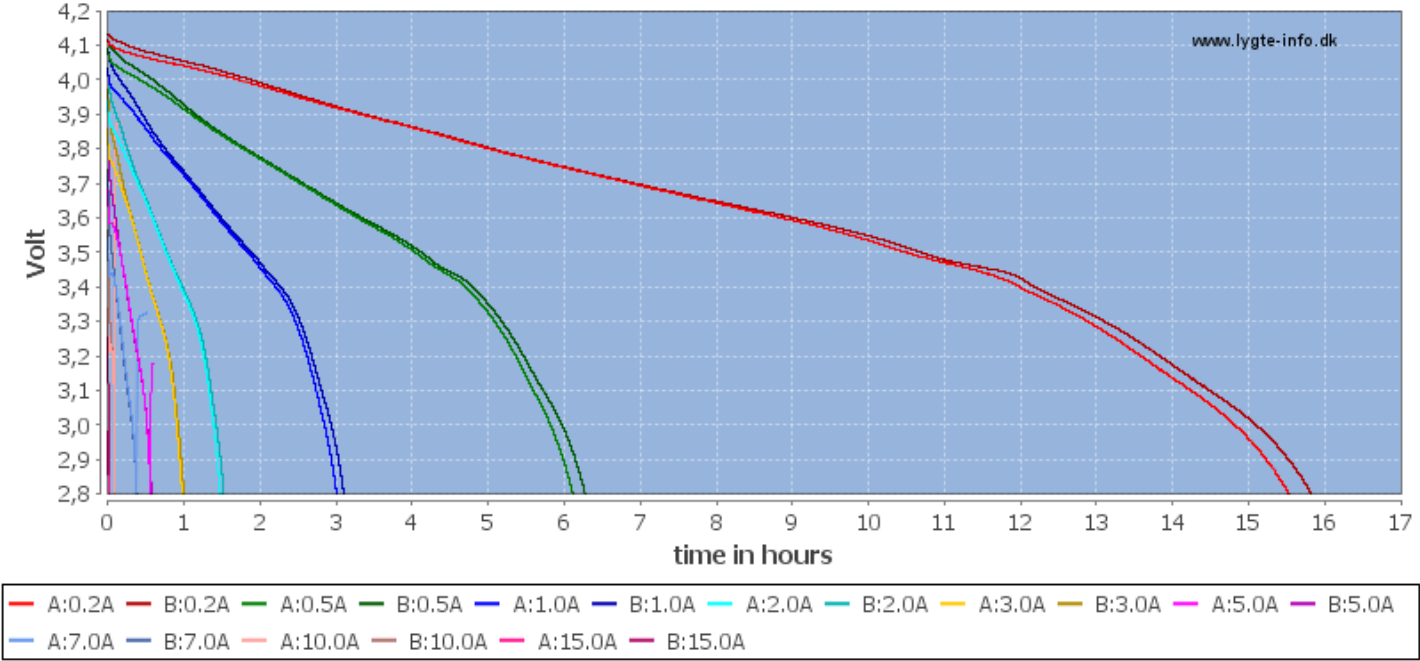


I forgot to mount the temperature sensor on the B battery.

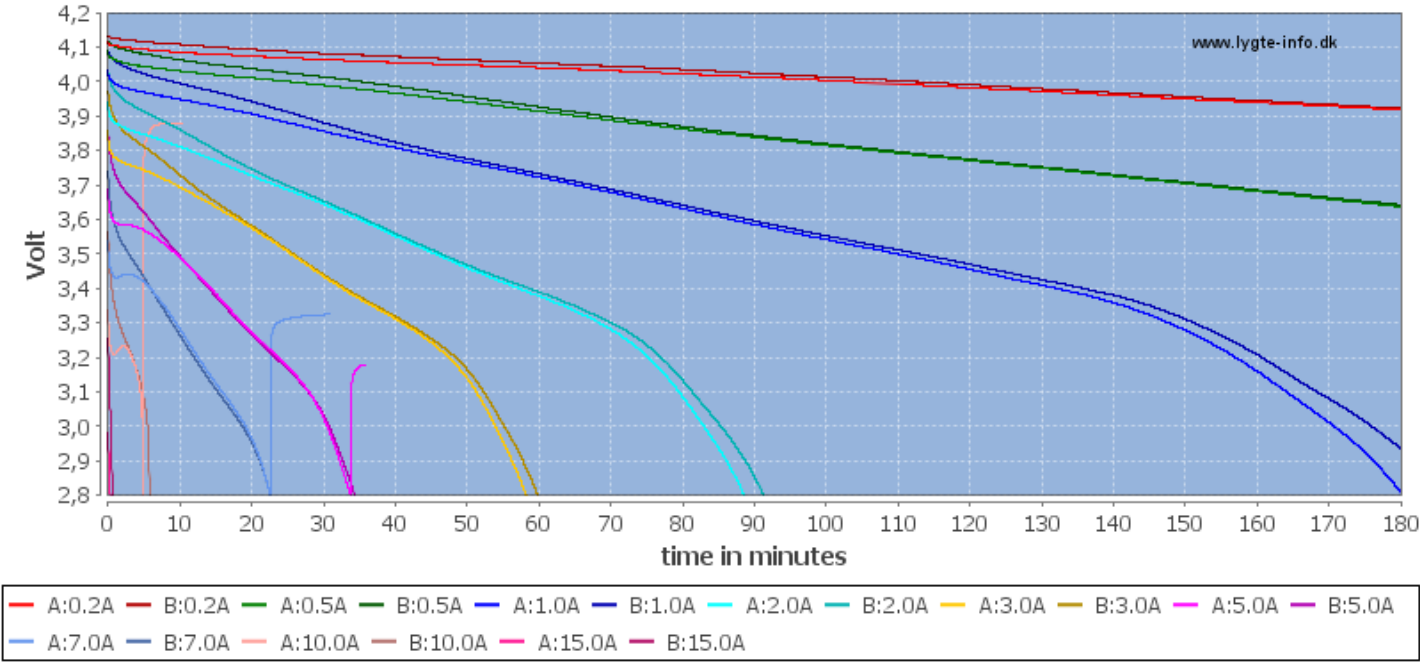
Discharge 10.0A: EAIEP INR18650-33E 3300mAh (Pink)



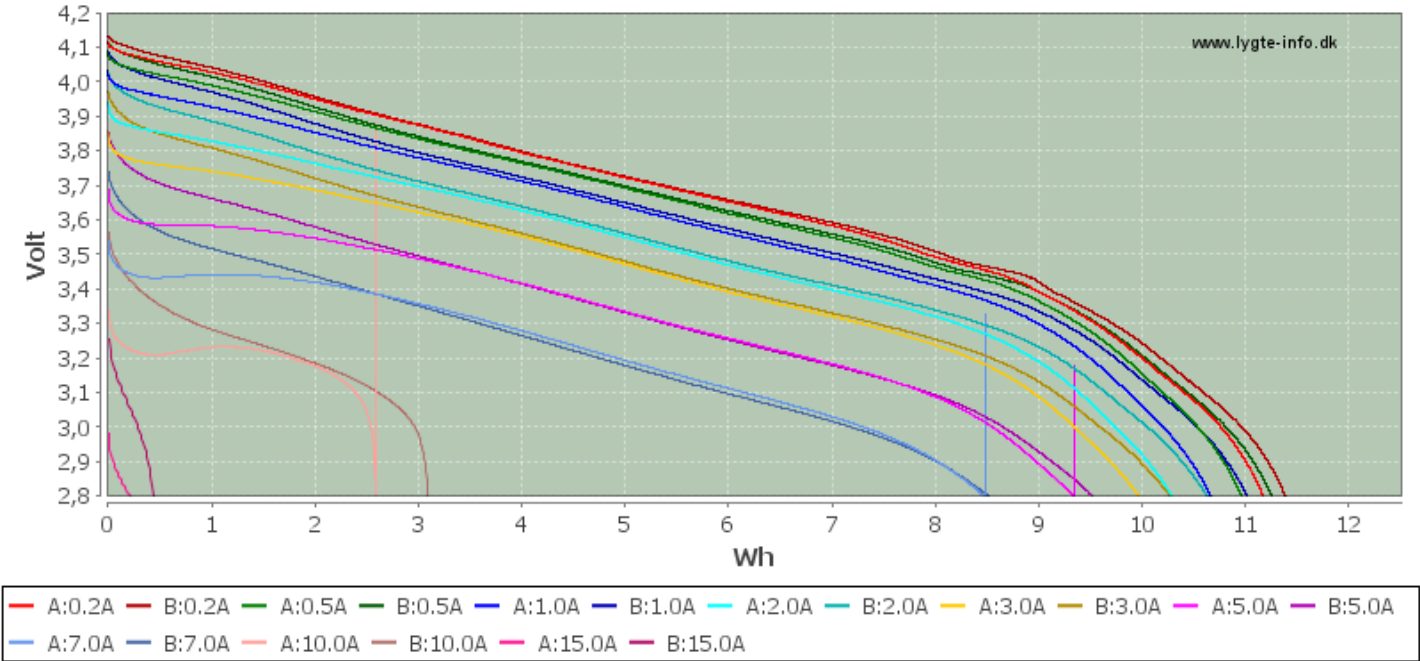
Discharge, time: EAIEP INR18650-33E 3300mAh (Pink)



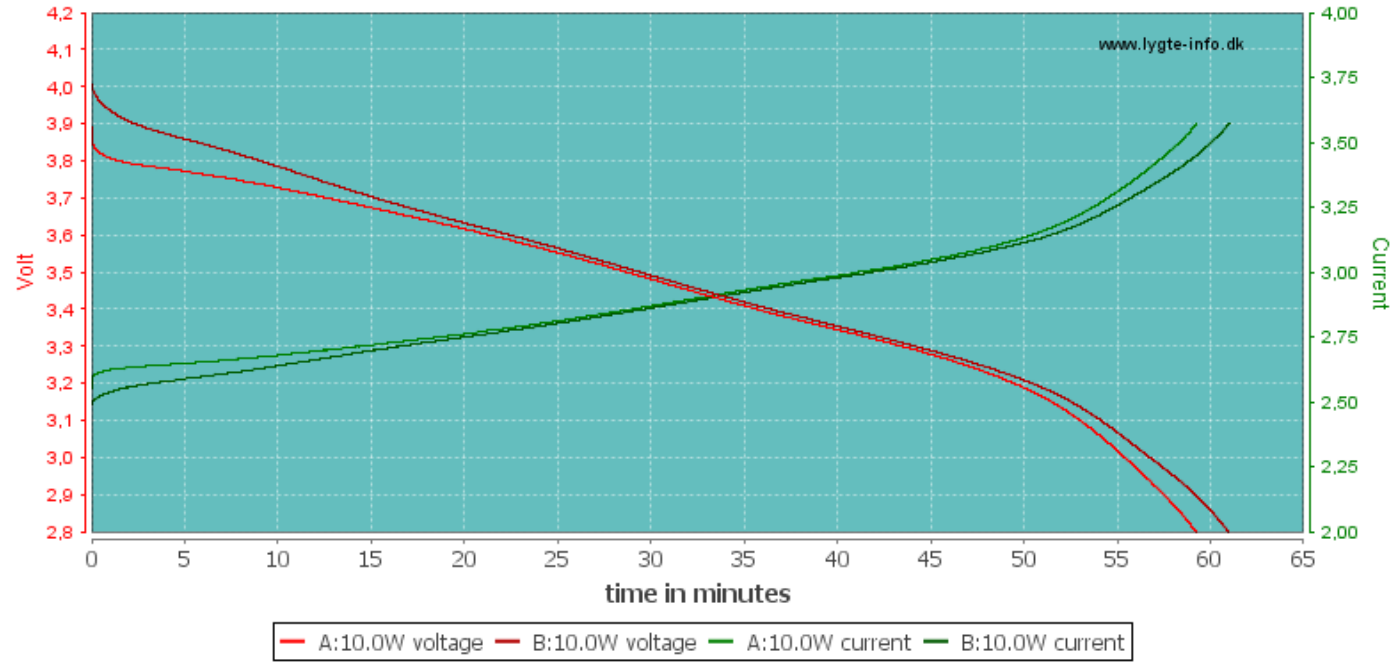
Discharge, time: EAIEP INR18650-33E 3300mAh (Pink)



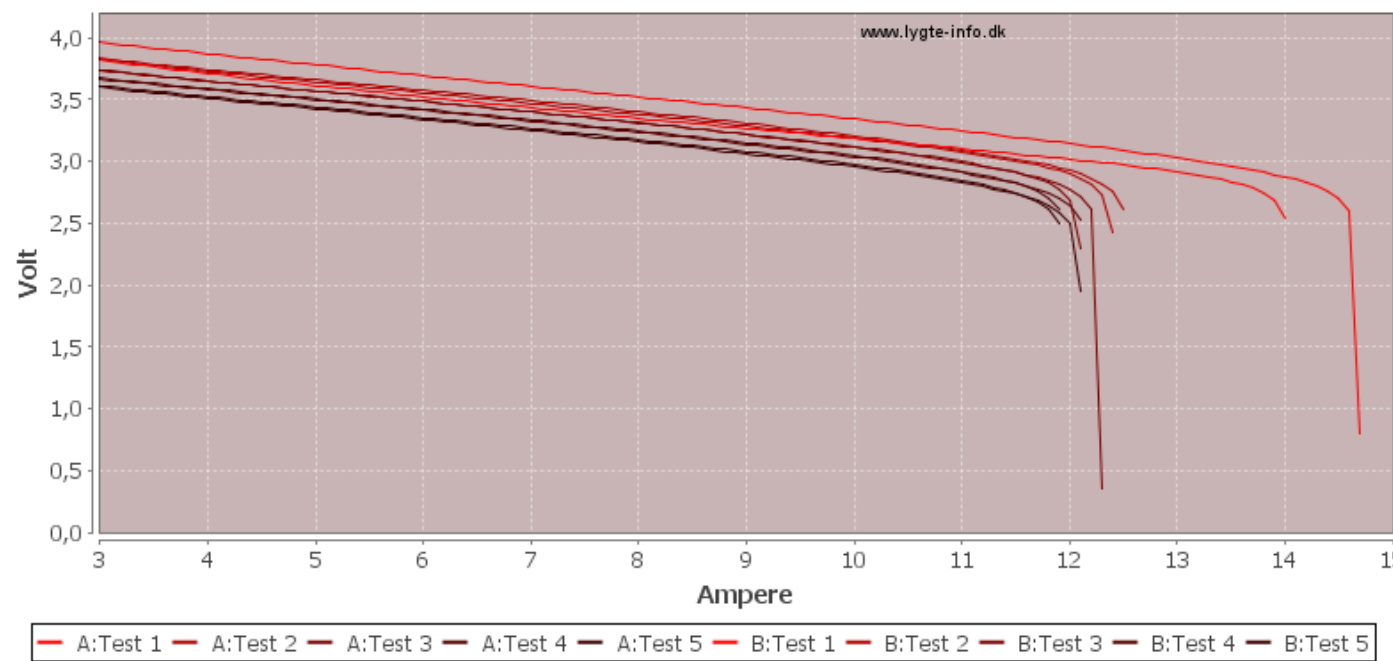
Discharge, energy: EAIEP INR18650-33E 3300mAh (Pink)



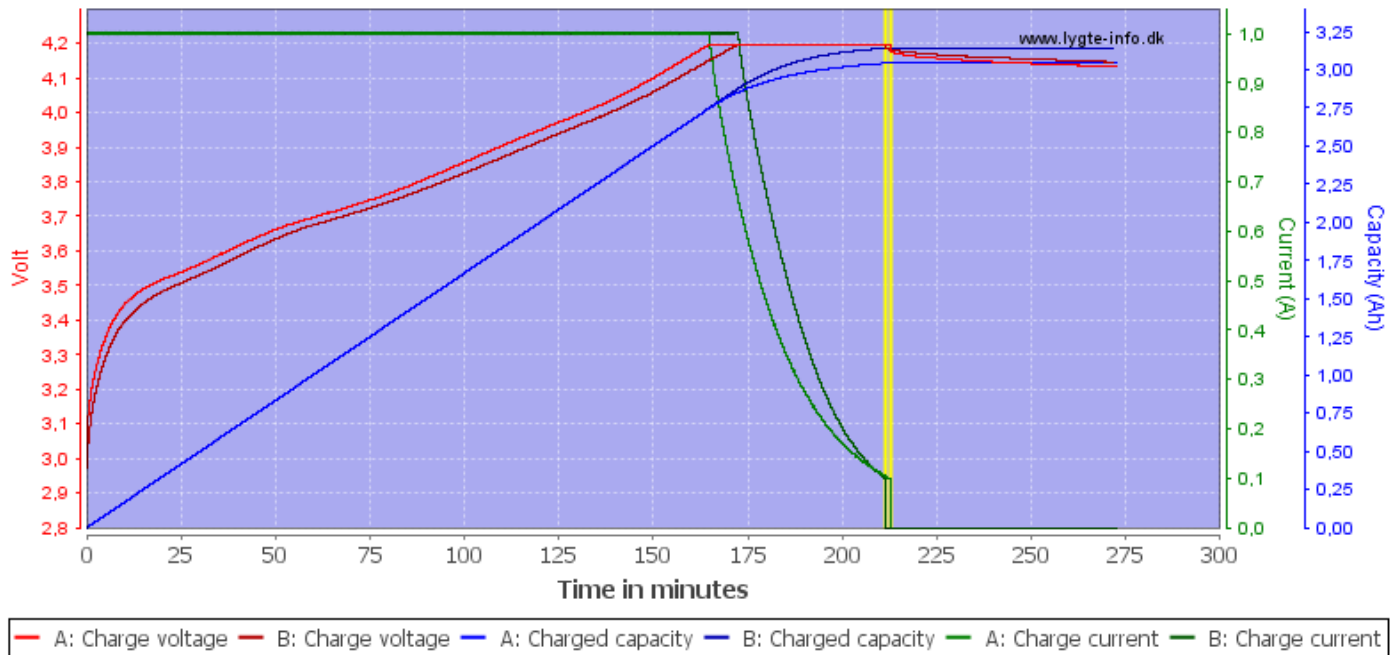
Discharge, power: EAIEP INR18650-33E 3300mAh (Pink)



Protection test: EAIEP INR18650-33E 3300mAh (Pink)



Charging: EAIEP INR18650-33E 3300mAh (Pink)



Conclusion

The battery works fine, but are slightly limited at higher current.
I have not tested a Samsung called 33E, but 32E, 33G & 35E they are all better.

Notes and links

[How is the test done and how to read the charts](#)
[How is a protected LiIon battery constructed](#)
[More about button top and flat top batteries](#)
[Graphical comparison to 18650 and other batteries](#)
[Table with all tested LiIon batteries](#)