Samsung ICR18650-26F 2600mAh (Pink)

Official specifications:

- Nominal Capacity: 2600mAh (0.2C, 2.75V discharge)
- Minimum Capacity: 2550mAh(0.2C, 2.75V discharge)
- Charging Voltage: 4.2 ±0.05 V
- Nominal Voltage: 3.7V
- Charging Method: CC-CV (constant voltage with limited current)
- Charging Current: Standard charge: 1300mA, Rapid charge : 2600mA
- Charging Time: Standard charge : 3hours, Rapid charge : 2.5hours
- Max. Charge Current: 2600mA (ambient temperature 25°C)
- Max. Discharge Current: 5200mA (ambient temperature 25°C)
- Discharge Cut-off Voltage: 2.75V
- Cell Weight: 47.0g max
- Cell Dimension: Height : 65.00mm max, Diameter : 18.40mm max,
- Operating Temperature: Charge : 0 to 45°C, Discharge: -20 to 60°C
- Storage Temperature 1 year: -20~25°C, 3 months : -20~45°C, 1 month : -20~60°C

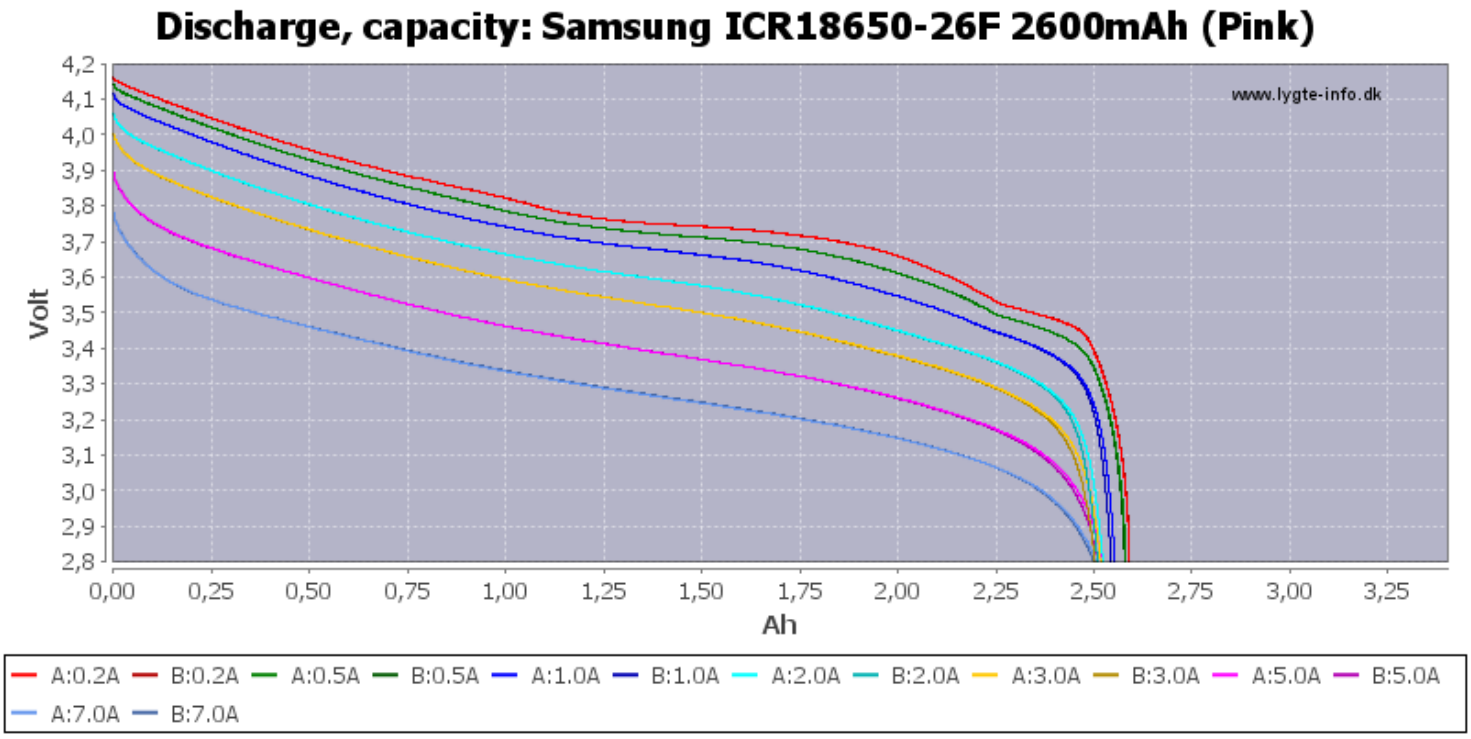
Name	**Samsung ICR18650-26F 2600mAh (Pink)**					
Cell	Samsung ICR18650-26F					
Supplier	Akkuteile.de				Date:	6-2014
Size	Weight:	**44.8 g**	Length:	**64.8 mm**	Diameter:	**18.3 mm**
Info	Top:	**flat**	Bottom:	**metal**	Rated A:	**5.2**
Test condition		Charge voltage:	4.2	Termination current:		0,1
Test current (A)	0,2	0,5	1	2	3	5
Measured capacity (Ah)	2,590	2,580	2,549	2,518	2,511	2,519
Measured energy (Wh)	9,762	9,648	9,418	9,102	8,900	8,601
PCB protection trip current (A)	**NA**					
Calculated internal resistance (ohm)	**0,09**					

A standard 2600mAh cell from Samsung.

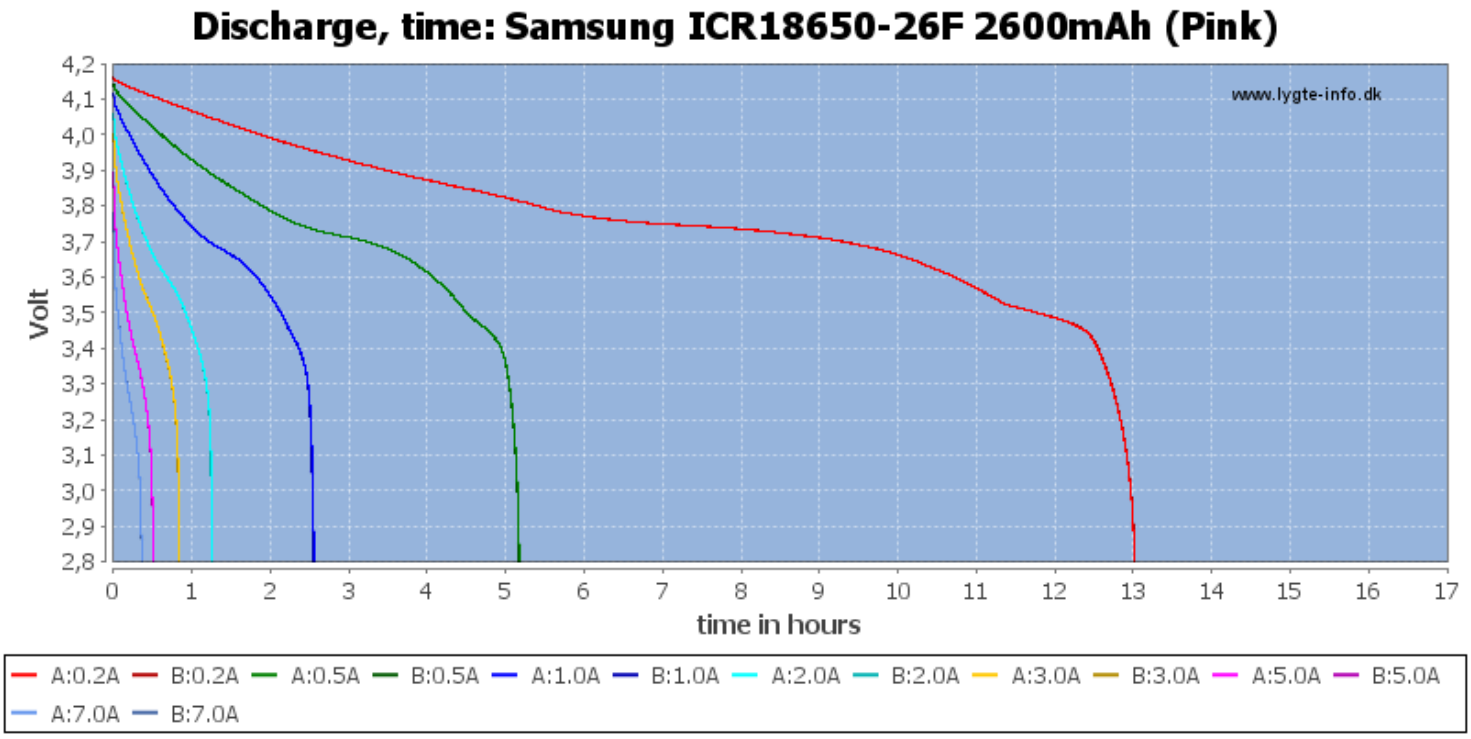




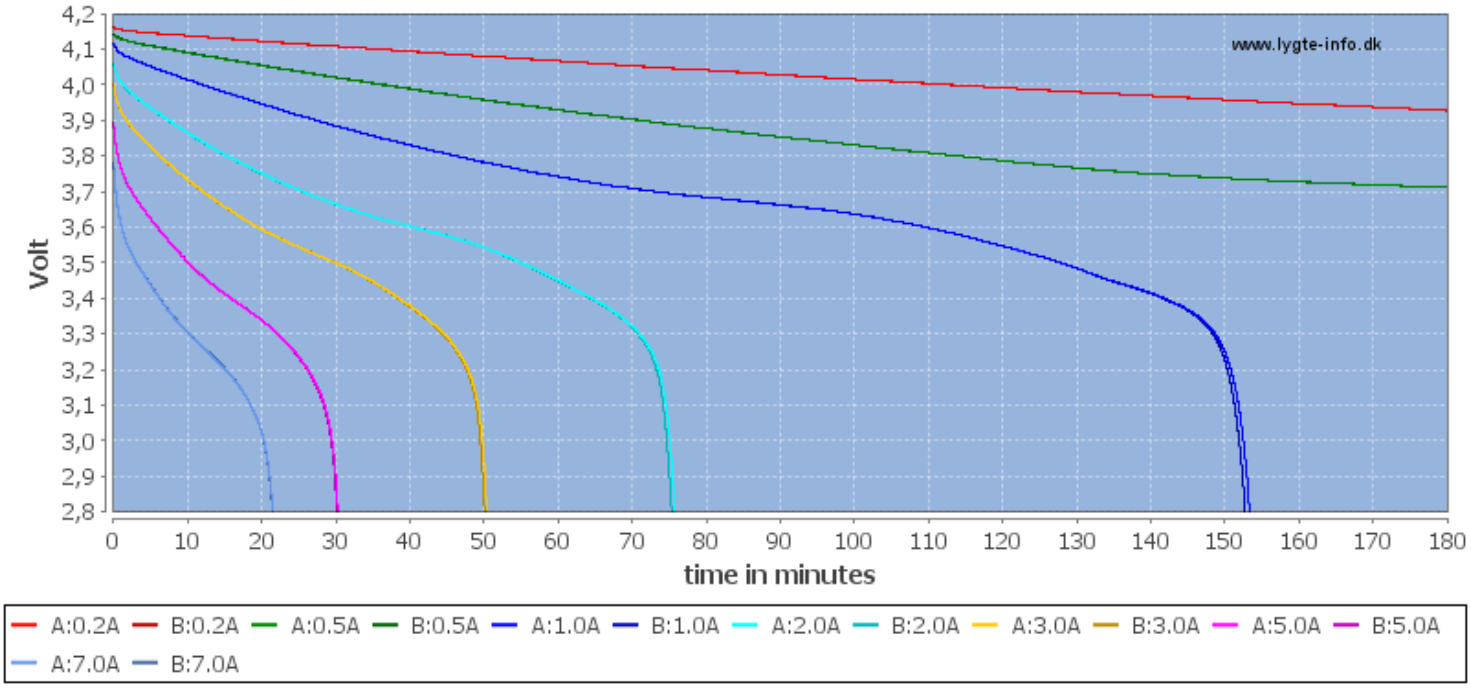

ICR18650-26F
SAMSUNG SDI
2DB4



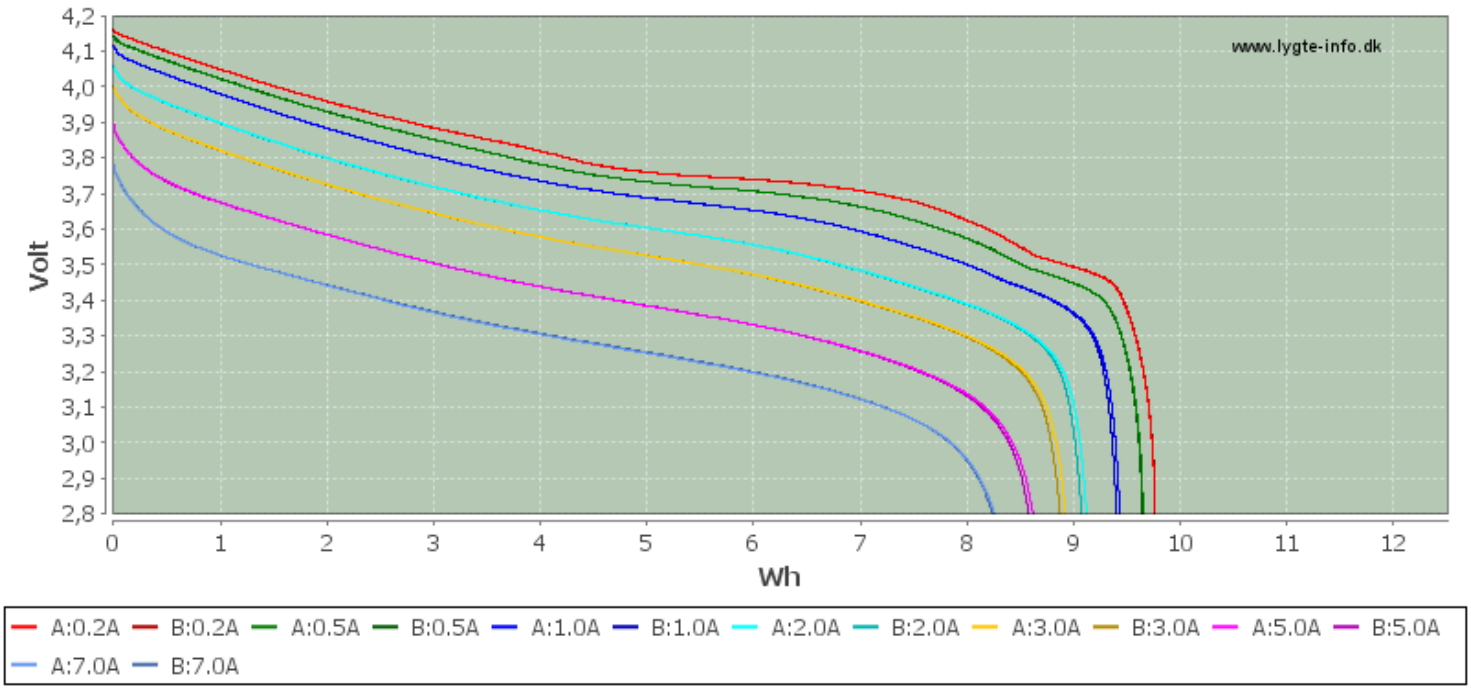
Very nice matching of the two batteries and capacity is nearly independent of load.



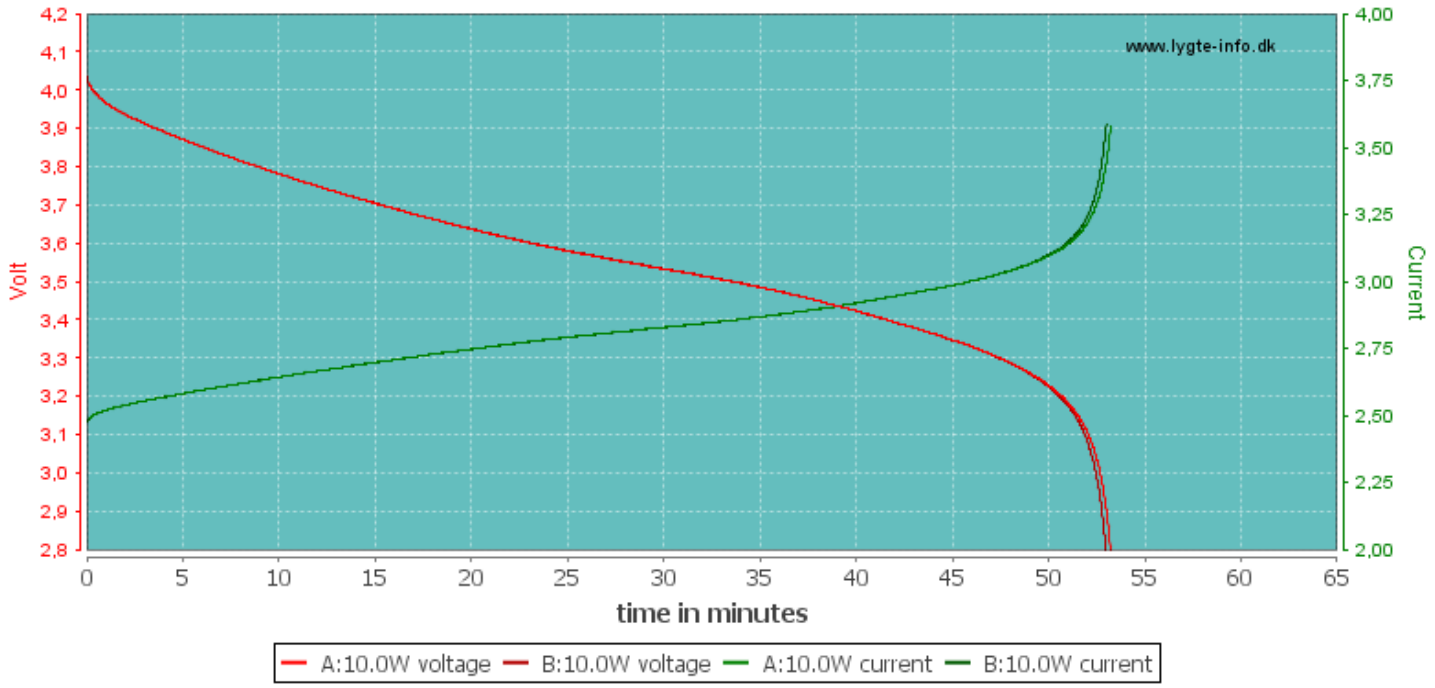
Discharge, time: Samsung ICR18650-26F 2600mAh (Pink)



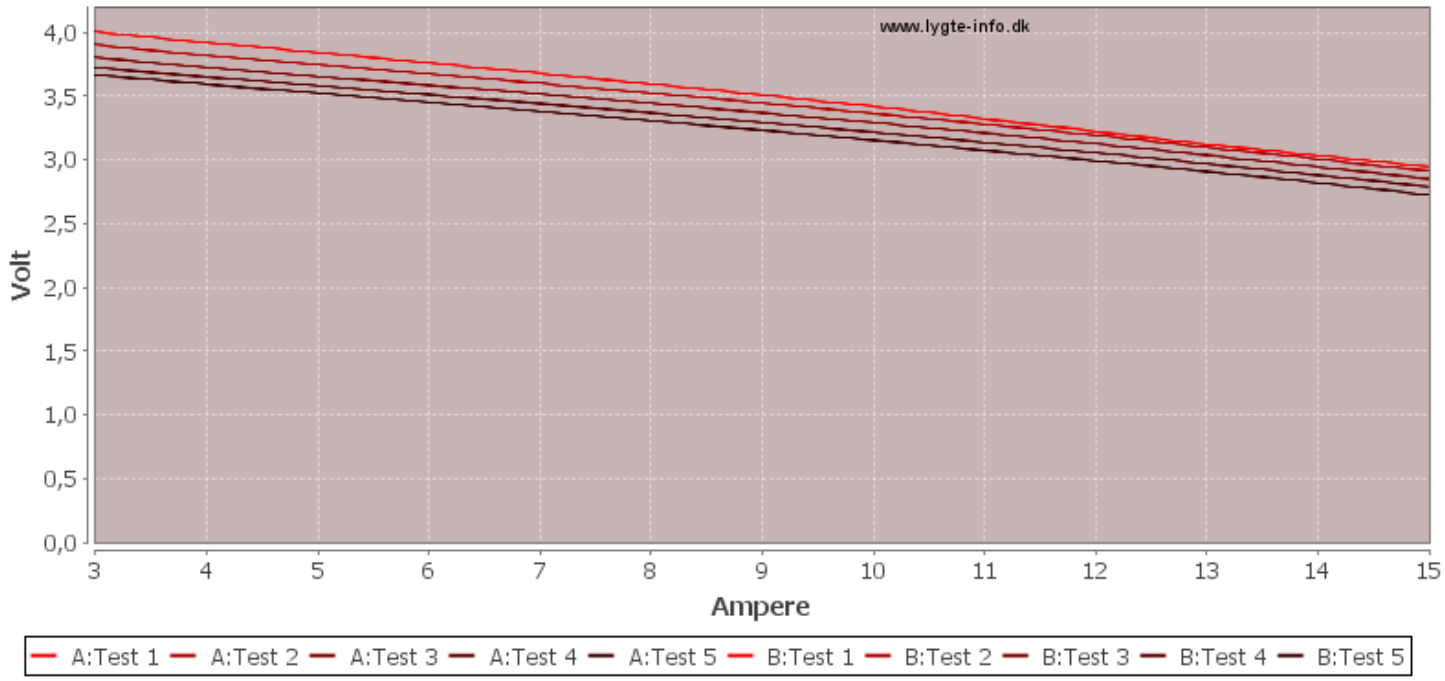
Discharge, energy: Samsung ICR18650-26F 2600mAh (Pink)

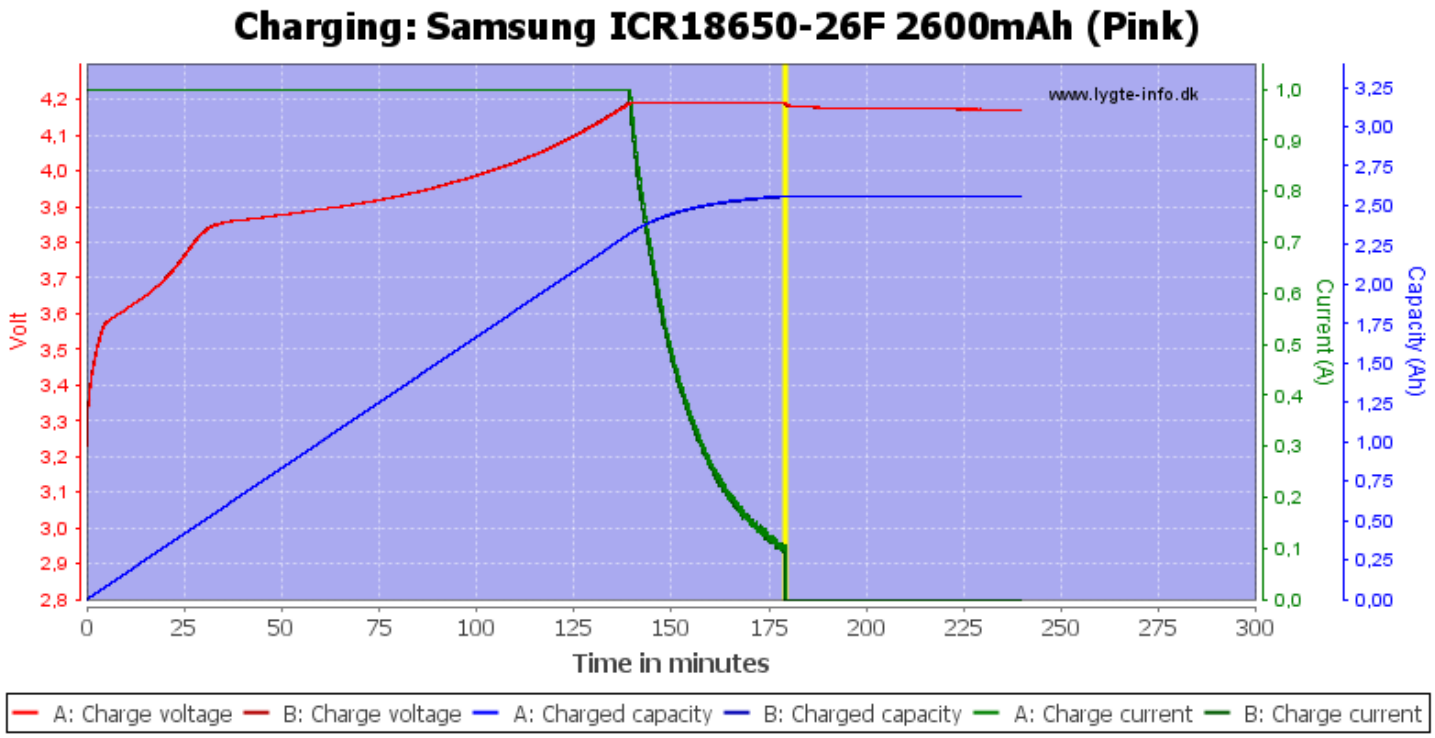


Discharge, power: Samsung ICR18650-26F 2600mAh (Pink)



Protection test: Samsung ICR18650-26F 2600mAh (Pink)





Conclusion

This is a very good cell for a standard 2600mAh cell.
Remember that the cell is unprotected this means it will have higher voltage at "high" load than protected batteries.

Notes and links

The batteries was supplied by Akkuteile.de for review.

[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]
[Compare to 18650 and other batteries]