

Sony US18650V 1600mAh (Green)



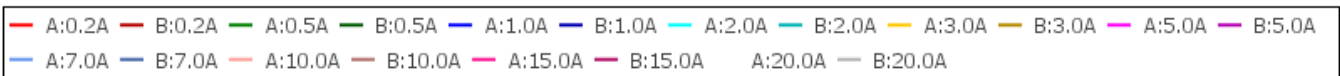
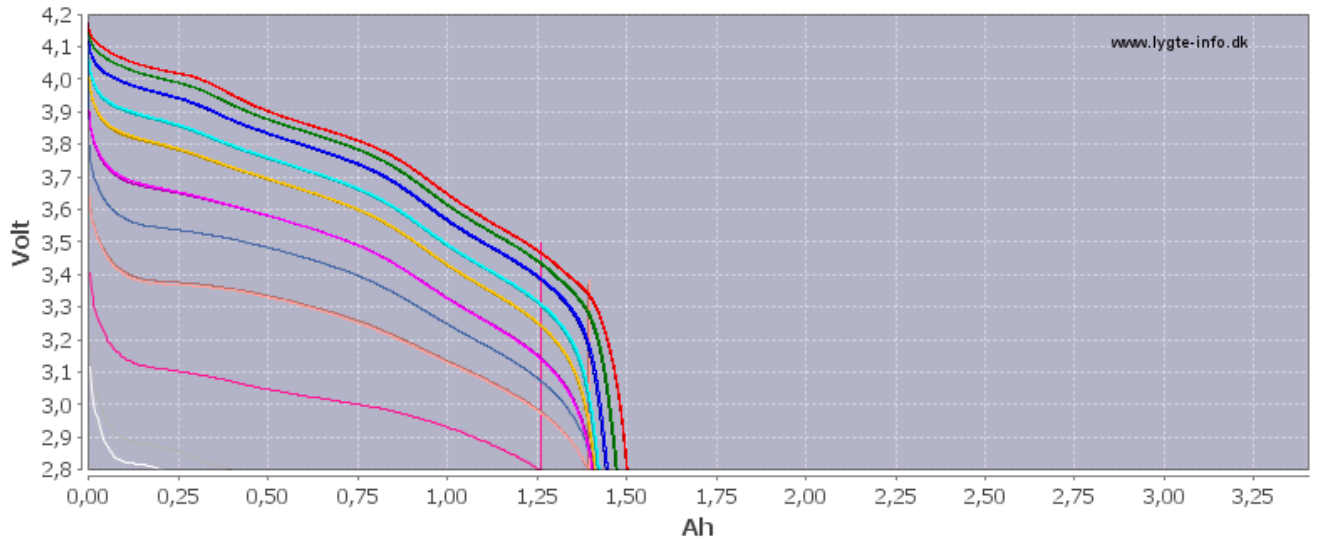
Name	Sony US18650V 1600mAh (Green)					
Cell	Sony US18650V					
Supplier	Vapcell				Date:	10-2017
Size	Weight:	43.6 g	Length:	64.9 mm	Diameter:	18.2 mm
Info	Top:	flat	Bottom:	metal	Rated A:	
Test condition	Charge voltage:		4.2	Termination current:		0,1
Test current (A)	0,2	0,5	1	2	3	5
Measured capacity (Ah)	1,501	1,472	1,444	1,421	1,412	1,407
Measured energy (Wh)	5,621	5,485	5,330	5,146	5,027	4,853
PCB protection trip current (A)	NA					
Calculated internal resistance (ohm)	0,09					

SONY V SPECIFICATIONS TABLE

BASIC	Brand	Sony
	Model name(s)	US18650V
	Manufacturer full	ソニーエナジー・デバイス (Sony Energy Devices)
	Country of Manufacture	Japan
VOLTAGE	UL number	MH12566
	Voltage, nominal	3.60 V
CAPACITY	Capacity, max.	2500.00 mAh
	Max. continuous discharge current	10.00 A
CURRENT	Peak discharge theoretic, 4 sec	17.5 A
	C-rate (discharge, max.)	4 C
	Watts (discharge, max.)	36 W
POWER	Energy, max.	9.00 Wh
	E-rate (discharge, max.)	4 E
ADDITIONAL	Cycle life rated std. min.	300 cycles

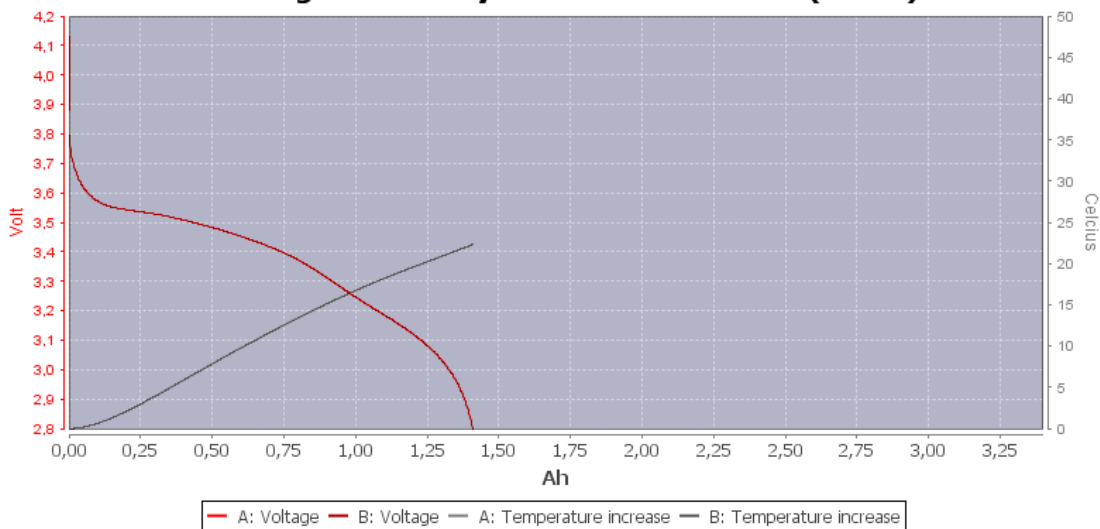
This is a older Sony cell with fairly low capacity by todays standard and moderate current handling.

Discharge, capacity: Sony US18650V 1600mAh (Green)

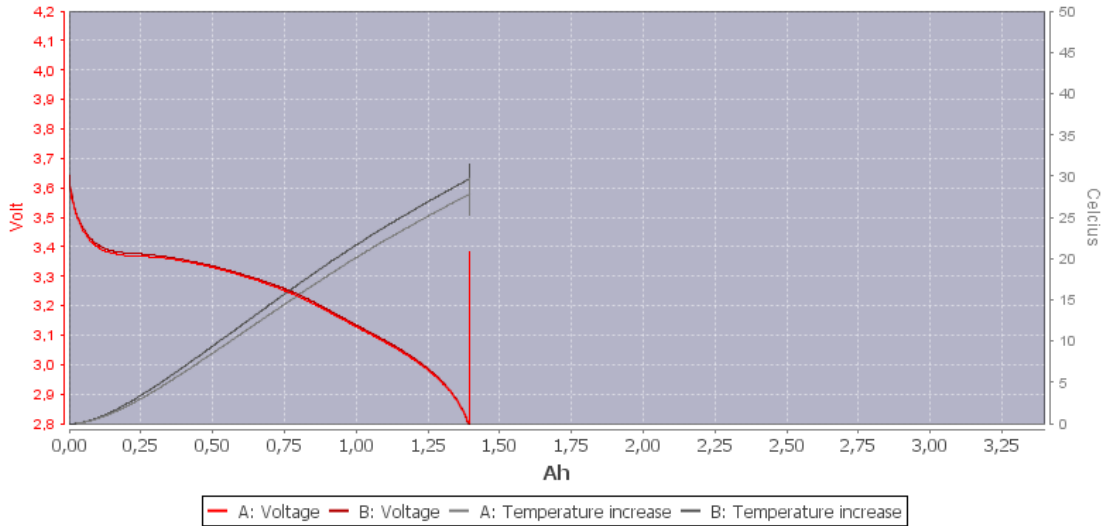


The cell can deliver about 10A and capacity is fairly constant with load. The two cell has a very good match.

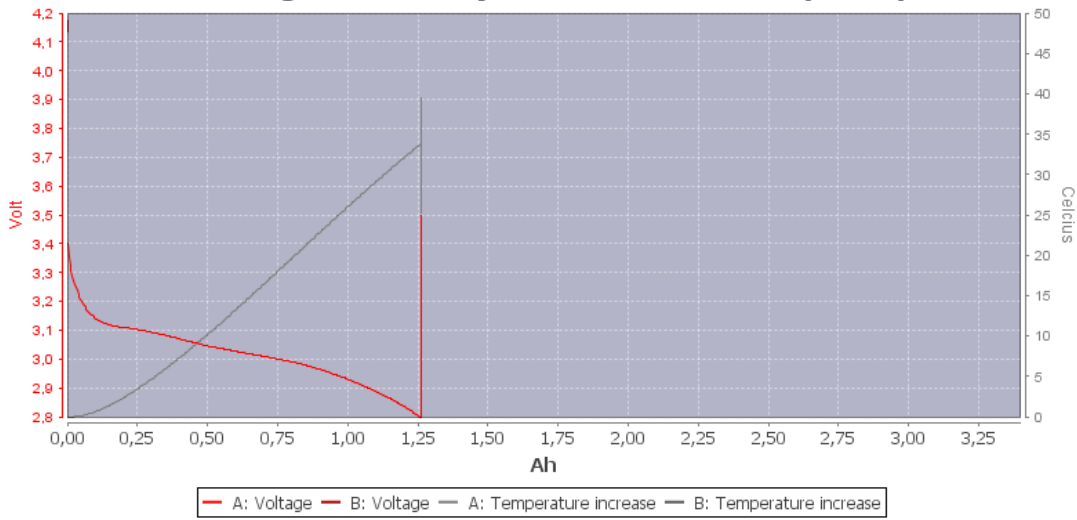
Discharge 7.0A: Sony US18650V 1600mAh (Green)



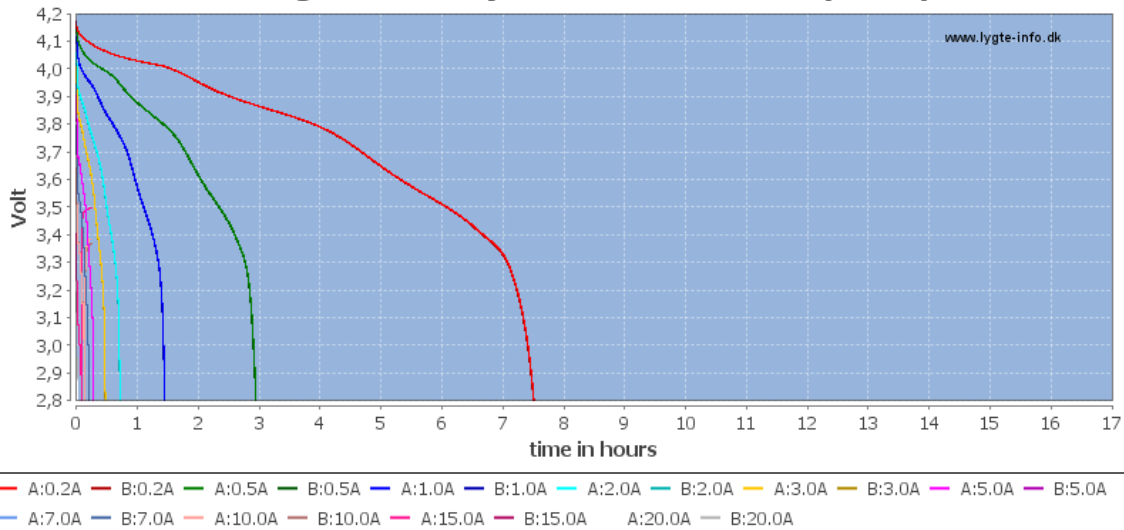
Discharge 10.0A: Sony US18650V 1600mAh (Green)



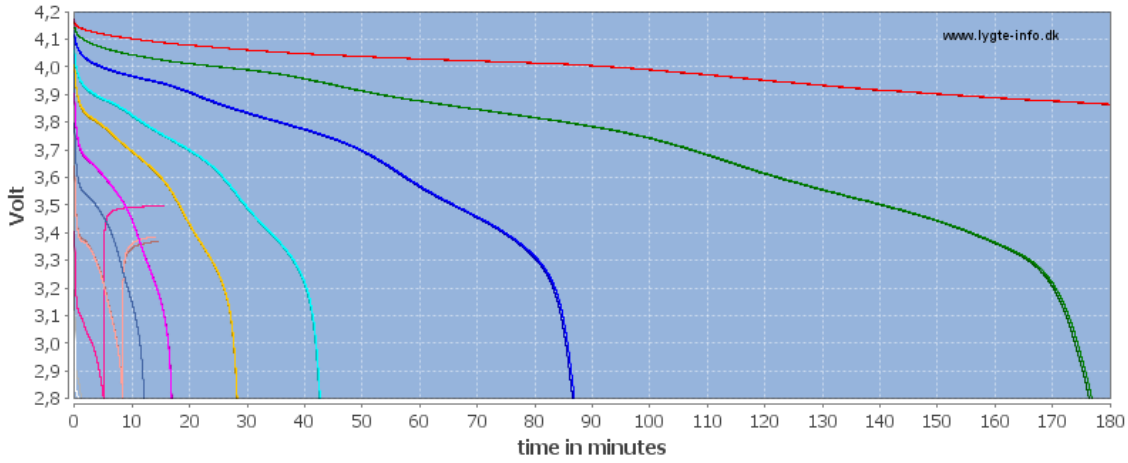
Discharge 15.0A: Sony US18650V 1600mAh (Green)



Discharge, time: Sony US18650V 1600mAh (Green)

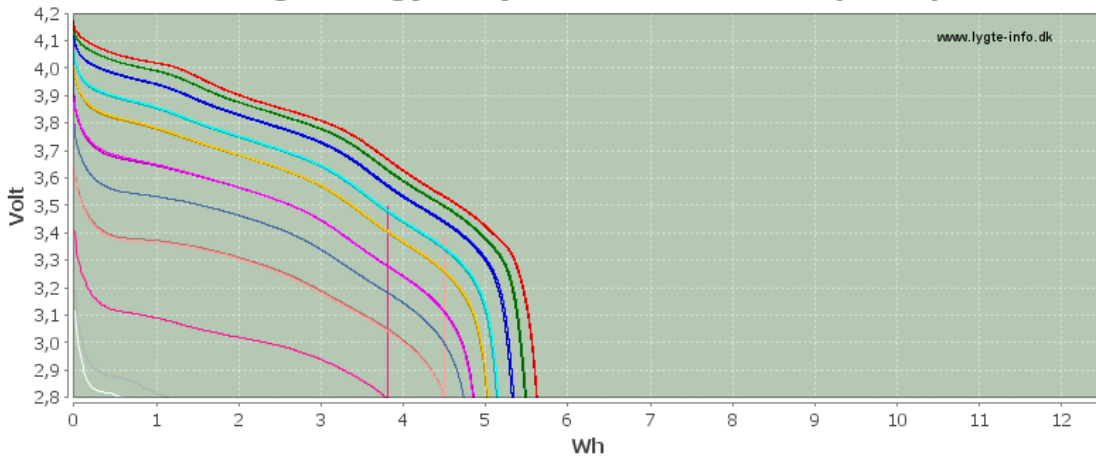


Discharge, time: Sony US18650V 1600mAh (Green)



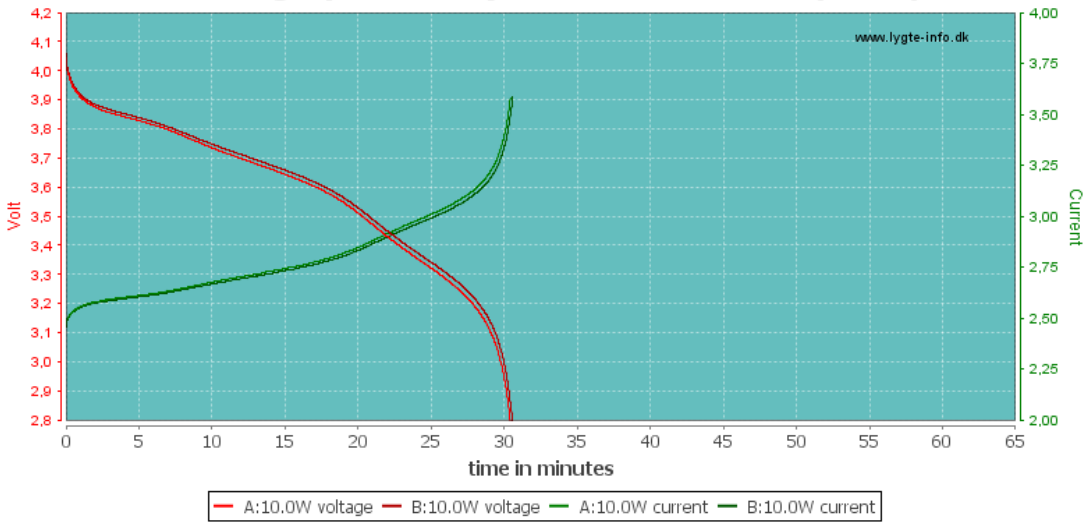
- A:0.2A
- B:0.2A
- A:0.5A
- B:0.5A
- A:1.0A
- B:1.0A
- A:2.0A
- B:2.0A
- A:3.0A
- B:3.0A
- A:5.0A
- B:5.0A
- A:7.0A
- B:7.0A
- A:10.0A
- B:10.0A
- A:15.0A
- B:15.0A
- A:20.0A
- B:20.0A

Discharge, energy: Sony US18650V 1600mAh (Green)



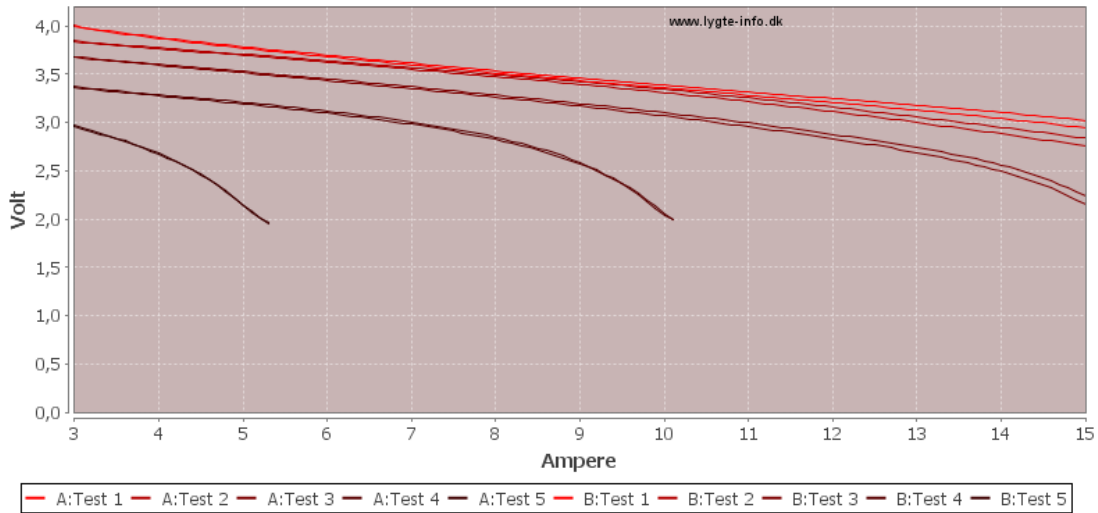
- A:0.2A
- B:0.2A
- A:0.5A
- B:0.5A
- A:1.0A
- B:1.0A
- A:2.0A
- B:2.0A
- A:3.0A
- B:3.0A
- A:5.0A
- B:5.0A
- A:7.0A
- B:7.0A
- A:10.0A
- B:10.0A
- A:15.0A
- B:15.0A
- A:20.0A
- B:20.0A

Discharge, power: Sony US18650V 1600mAh (Green)

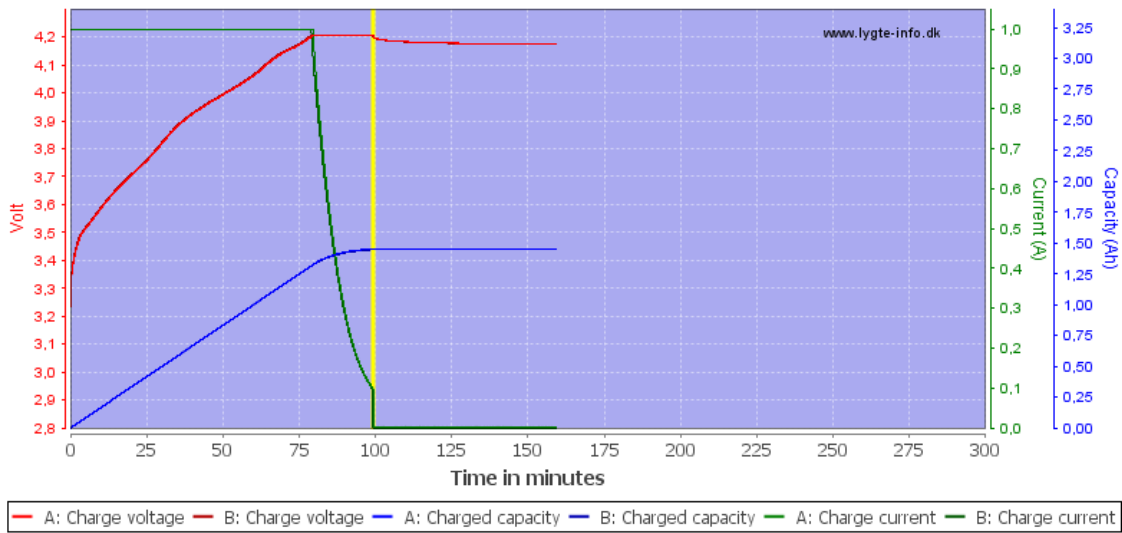


- A:10.0W voltage
- B:10.0W voltage
- A:10.0W current
- B:10.0W current

Protection test: Sony US18650V 1600mAh (Green)



Charging: Sony US18650V 1600mAh (Green)



Conclusion

When this cell was new it was probably both high capacity and fairly high current in top quality, today it is not very impressive.