

# Vapcell K25 18650 2500mah 20A/35A

## Specification:

- ◆ Model: K25
- ◆ Size: 18.3\*65.0mm
- ◆ Typical Capacity: 2500mAh (0.2C discharge)
- ◆ Min capacity: 2400mAh (0.2C discharge)
- ◆ Nominal voltage: 3.60V
- ◆ Max Continuous Discharge Current: 20A
- ◆ Max Discharge Current: 35A
- ◆ End-of-charge voltage: 4.20V
- ◆ End-of-discharge Voltage: 2.5V
- ◆ Weight: 46g ( Appr)
- ◆ Internal resistance: 15mΩ ( Appr) ( AC 1kHz)
- ◆ Standard Charge: 2000mA,CCCV 100mA cut-off
- ◆ Quick Charge Current: 4000mA

## Unique Features :

- ◆ Performance similar as 25R

## Tips:

Button top can be added, and the size is 2-3mm longer than a standard 18650 cell like flat top & unprotected. The button top is widely required for flashlights, doorbells and other devices.

## Professional Reviews By Battery Mooch

**Bench Test Results: Vapcell K25 – Red 20A 2500mAh 18650**

Equal in performance to the Samsung 25R, ignore the “max” rating.

Posted by Mooch on May 8, 2020 Do not share or repost after November 8, 2020



Capacity Rating		Continuous Discharge Rating (CDR)		Performance Specifications (average)		
Claimed	Estimated	Claimed	Estimated	DC Internal Resistance (milliohms)	Energy to 3.2V (watt-hours)	Puff Count to 3.2V (2 sec puffs)
2500mAh	2500mAh	20A	20A	19.0**	7.0 @ 30W (10A) 4.9 @ 60W (20A)	420 @ 30W (10A) 147 @ 60W (20A)

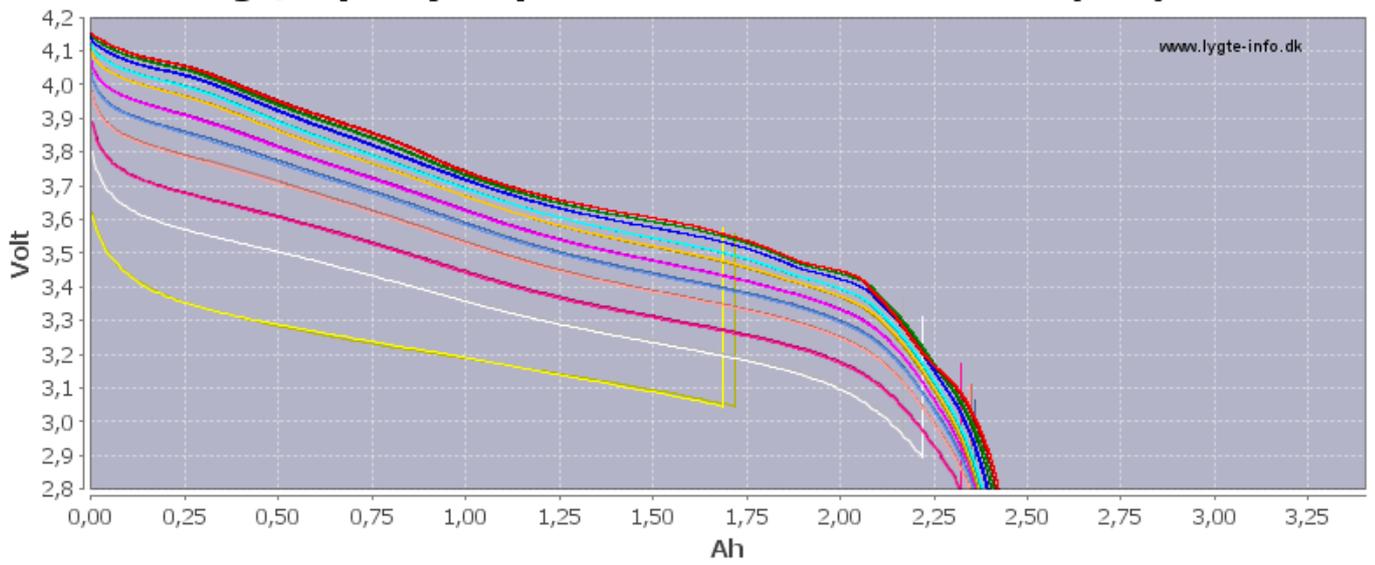
\*\*I have switched test jigs, resulting in slightly lower IR readings. Add 1.6mOhms to this IR value in order to compare these cells to others tested previously.

For more information on this battery or others check the pinned post on my Mooch Facebook page, my Battery Mooch YouTube channel, or my blog at ECF.

**Use of this battery is AT YOUR OWN RISK. Misusing or mishandling lithium-ion batteries can pose a SERIOUS RISK of personal injury or property damage. They are not meant to be used outside of a protected battery pack. Never exceed the battery's true continuous discharge rating (CDR) and keep the plastic wrap and top insulating ring in perfect condition.**

## Discharge Graph:

# Discharge, capacity: Vapcell INR18650 2500mAh K25 (Red) 2020



- |        |        |         |         |         |         |         |         |         |         |        |        |
|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 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 | A:30.0A | B:30.0A |        |        |