



How to measure the capacity of E-Bike Vision batteries properly.

In order to measure the capacity of batteries, the battery has to be discharged once. Please configure the parameters on the battery test device concerning the nominal voltage and the thresholds of the battery. Please check before this that the battery is fully charged!

There are different manufacturers of ebike battery test devices on the market. E-Bike Vision is testing, inter alia, with the device Batterytester (<http://batterytester.nl/batterytester---english.html>).

26V – Lithium-Ionen-Batterien

The 26V battery consists of 7 cells in serial.

Charge threshold / U_{full} : 29,4 V (7 x 4,2V)

Discharge threshold / U_{stop} : 17,5 V (7 x 2,5V)

36V – Lithium-Ionen-Batterien

The 36V battery consists of 10 cells in serial.

Charge threshold / U_{full} : 42,0 V (10 x 4,2V)

Discharge threshold / U_{stop} : 25,0 V (10 x 2,5V)

Please notice that the battery management system of many E-Bike batteries stop discharging before reaching the discharge threshold for cycle life extension and light support. This is not a malfunction.

kind regards;

E-Bike Vision Service-Team