

## DEVRON 2016 TEST RIDE TESLAR 27.5 /27225



MADE by:

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GENERAL DATA

No of test days: 2 ; Date: 24-25.05.2016

Teslar/27225/2016 – Distance: 70 km ; Total climbing: 1280m (day 1)

Maximum slope angle: 24°

TESLAR ( Exactly the same electric equipment as 27225 )



Frame: 27.5" 27225, Alloy 6061  
Fork: Rockshox XC30 Air 120mm  
Brakes: Shimano M447 Hydraulic,  
Mineral Oil, discs Shimano 180mm  
front 160mm rear  
Whels: Rims WTB Disk i19 27.5, hub  
X7; tires Continental X-King 2.2  
Trasmions: rear X9 10vit, maneta X7  
10vit  
Handlebar: Devron 600mm, Rise 0;  
Pipe Truvativ, saddle: WTB  
Silverado  
Engine/Display/Sensor: BAFANG,



36/43/48V; 250-350W, 90-120 RPM, Cuplu 80N.m, Efficiency:  $\geq 80\%$ , weight: 3,8kg, Noise:  $<55\text{dB}$

Display: LCD 5 Modes, Sensor: 1 Pulse speed sensor, temp. funct.  $-25\text{ }^{\circ}\text{C}$  to  $60\text{ }^{\circ}\text{C}$

Battery: Phyllion SF-06, Capacity 36V, 8.8Ah, Voltaj 36.4V ~ 54.6V, Internal resistance  $<120\text{m}\Omega$ , DC -charging 19A (BMS), DC – discharging 2A ~ 4A, Charging Cycle: 600 with capacity  $\geq 60\%$ .



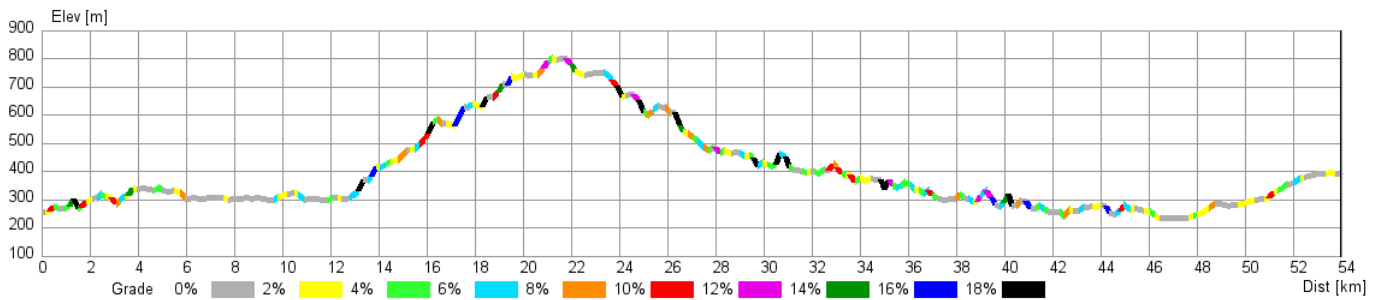
## Test results:

### Usage conditions:

- 2 baterys Full 100% charged on level 5 (maximum power)
- Air temperature 18 -19 °C
- Distance: 70 km ; total Climbing: 1280m

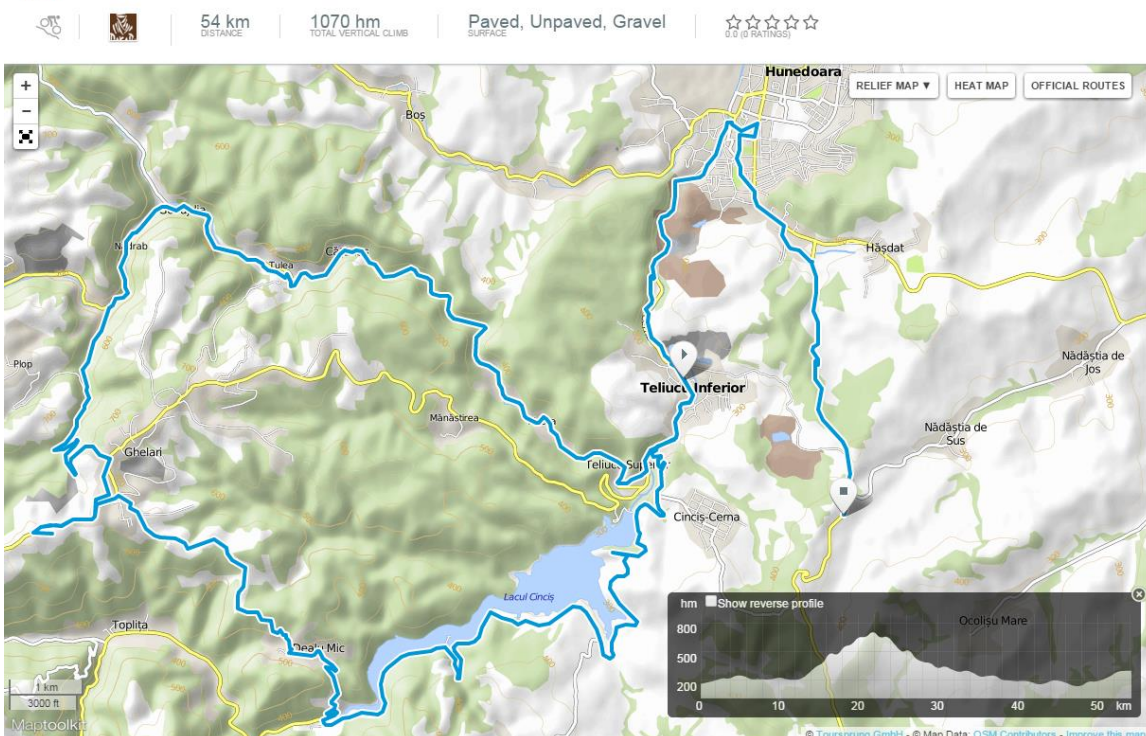
### OBTAINED RESULTS WITH 1 BATTERY consumed 100% on level 5, maximum power

- Covered distanced: 54 km - 30 km climbing



- Maximum slope 24°
- Most demanding climbing: 5km offroad with slope 20°-24°

### Test



- Maximu speed: 49.2 km/h
- Assisted maximum speed: 26.9 km/h

### Pluses:

- High autonomy on maximum speed level
- Engine develop a torque of de 80N.m that make you really felling th acceleration power even on a slope of 15-16 °



- High stability on descents due to center of weight – bottom centered.
  - Efficiency braking provided by hydraulic system Shimano with disc brakes -180mm /160 mm
  - Very good behavior of fork Rockshox XC30 Air 120: la recomendado to use travel at 120mm
  - High adherence due to Conti X-King
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- Minuses
- Handlebar of is too small for this model – recommended minimum 680mm handlebar
  - Bike weight that makes demanding pedaling after exceeding assisted program.

