

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 Truativ, 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: <55dB

Display: LCD 5 Modes, Sensor: 1 Pulse speed sensor, temp. funct. -25 °C to 60 °C

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



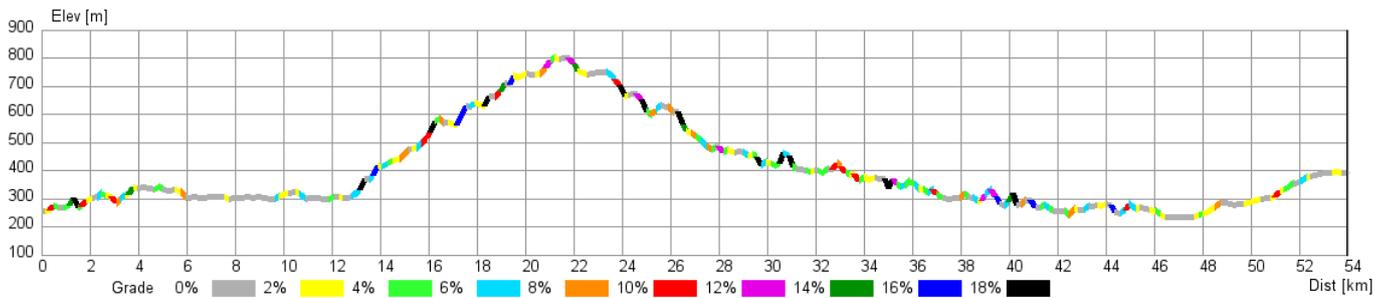
Test results:

Usage conditions:

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

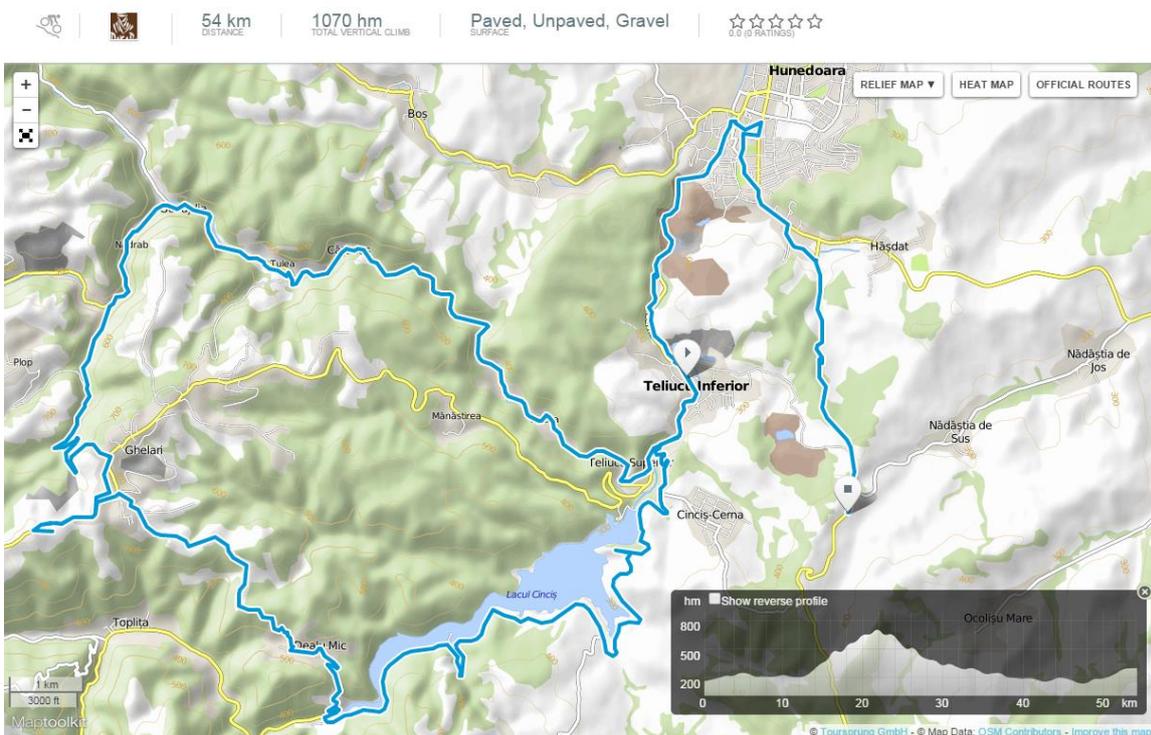
OBTAINED RESULTS WITH 1 BATTERY consumed 100% on level 5, maximum power

- 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 to small for this model – recomendado minimum 680mm handlebar
- Bike weight that makes demanding pedaling after exceding assisted program.

