

THE BATTERY MANAGERS NOVITEC

APM 3

3 in 1: controlling of battery and of charge system + USB connection for loading of 3 different items (USB-IPhone, USB-Mini USB, USB-Micro USB)



Volt indication for announce the need of charge and control of charging circuit.
Permanent information which does not exist in the car plus possibility of connection of extern USB systems

Properties

- Battery controller
- 12V DC (control range: 7 – 19,9 V)
- Input 12 V DC / output: 5 V – 400 mA
- Connection on cigarette lighter
- Control of battery tension
- Control of charging system
- Contact for charging of mobile phones, navigation system and so on

After connection to the cigarette lighter the APM 3 shows the battery tension +/- 0,1 V

Survey of charging system and warning of discharged battery (both lights on)

- Left LED (prove alternator)

Engine idle – left red LED indicates: alternator not OK
LED light up at 14,6 V when tension to high (more than 14,6 V) or below 11,6 V or if tension is for more than 15 seconds below 12,6 V

- Right LED (prove battery charge)

When engine is off and right LED lights, do not start.
Right LED lights if tension is for more than 45 seconds below 11,6 V or immediately if tension is below 10,6 V . Battery is too weak and should be charged

