

DIY - BMW 2003 530i E39 Electrical Power System Maintenance

Experimenting with an electrical monitoring unit and battery charging system to avoid a repeat of being stranded due to a dead battery or defective alternator.

Monitoring unit: BatteryMole
Charging unit: Save A Battery
Charging monitoring unit: AstroFlight Whattmeter

Monitoring Unit – BatteryMole:



Charging Unit - Save A Battery:



Charging monitoring unit - AstroFlight Whattmeter:

Input Current
Will read "0.00A" when the
charge is complete

To Charger



Battery Voltage

To Battery

Car hook up:



The BatteryMole provides an alarm if there is something wrong with the charging and battery system. The charging unit's performance is monitored by the AstroFlight metering unit. After the charging unit is disconnected from the AC source, the DC voltage reading on all three displays, BatteryMole, Save A Battery & AstroFlight must be the same.