

Bluetooth Smart Battery Monitor / DC Power Meter

With Low/High Voltage and Over-current Disconnect,

Battery Fuel Gauge and Timers

– BT-DCPM –

Remotely monitoring important DC circuit parameters has never been simpler. BT-DCPM is based on Bluetooth Smart technology and allows monitoring of parameters such as voltage, current, power (W), energy (Wh), battery charge (Ah), battery state of charge (%) and temperature. There is no need for drilling and extra wiring in existing or new applications (RVs, boats, solar systems). Small form factor and ease of installation make BT-DCPM ideal for quickly adding smarts to any existing electrical system.



Measurements can be displayed in real-time using any mobile device running Android or iOS and Thornwave Labs' mobile application, PowerMon, available for free on Google Play Store and Apple App Store. The device supports a multitude of configurations and measurement ranges that can be set using the mobile application, allowing BT-DCPM to accommodate a wide variety of circuits. It can measure two voltages up to 60V with better than 0.5% accuracy and current up to 60A with better than 1% accuracy (using the internal current shunt). The device computes instantaneous power, energy, and battery charge.

Currents as high as 600A or as low as milli-amperes can be measured using an external shunt. Current shunts are readily available and can be customized for the specific current measurement range required. BT-DCPM supports a wide range of current shunts.



The ability to control a mechanical or solid-state relay adds to the number of applications BT-DCPM can be used in: low voltage disconnect, over-current disconnect, battery isolator for multiple battery systems, remote power control, and timer being just a few.

Fleet vehicle monitoring. Monitor the starting battery to assure your vehicles are always ready when needed. For firetrucks, ambulances and other emergency vehicles this is critical. The wireless feature allows for easy monitoring of even hundreds of vehicles and saves personnel time by not requiring them to individually check each and every one.



Boat / recreational vehicle battery monitoring. Do you want to be able to monitor the amount of battery power you have on your boat or RV without having to install expensive equipment or run expensive wiring? BT-DCPM allows just that! You can also check for ghost loads, excessive loads, systems that are about to fail or charging issues. Never again forget something turned on and get stranded with a dead battery. You can also use BT-DCPM as a smart battery isolator.

Solar / wind systems. Charge controllers are sometimes mounted in places that are hard to access therefore reading parameters displayed by them can be difficult. Older charge controllers don't even display any information about the power being produced. BT-DCPM allows for easy reading of instantaneous power being harvested, energy, battery voltage and panel voltage.

