

B · M · A · R · S

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In today's world, virtually everything we have is ultimately powered by electricity from the Utility Grid. However, during a time when all equipment needs more clean, reliable electric power for proper operation, our utility companies have more trouble providing it because of the complexities of our nation's Electrical Grids. Utility companies have longer utility transmission distances, differing customer loads, power surges, electrical load noise, accidents, weather conditions, and unexpected equipment failures without warning, etc. For site protection against all these potential happenings, the most common way available to keep everything operating successfully is to provide a means of having clean, reliable power at the site. This is usually accomplished by having your own AC and or DC Power sources fed from the utility and of sufficient size and ride-thru duration to successfully provide for the plant needs. The heart of this power source is almost always a Battery.

The potential problem with Batteries, as with all man-made products is, they are not infallible, and they do not last forever. Although we tend to make jokes about "Murphy's Law", the concept remains true. **"Anything that can go wrong will go wrong, and at the most troubling of times."**

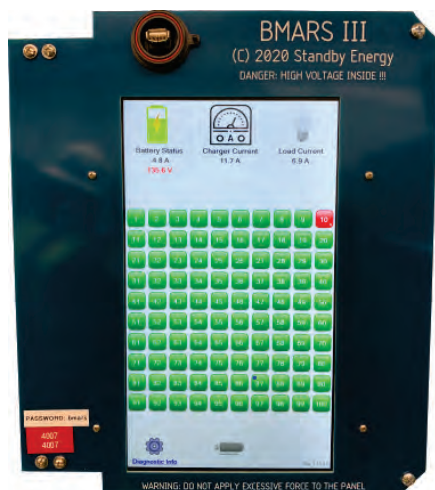
A lot of suppliers manufacture their own version of Battery Monitors to help with this problem and most of them do a good job of telling you when the battery has failed. However, this can be compared with having the Doctor tell us the patient died of a Heart Attack when it is too late for anyone to do anything to help prevent it.

It is with this in mind, that we have developed BMARS® (Battery Monitor and Recharge System). BMARS monitors every Cell in the battery 24/7/365 and logs all critical data of each Cell and the entire Battery every 10 seconds to make this information available anytime anyone wants to look at it. The worst case condition of the battery is re-logged at the end of each day, week, and month to make it easy to locate. This provides time for any maintenance or correction that needs to be made.

BMARS records:

- * Battery Voltage
- * Battery Charging Current
- * Battery Discharging Current
- * Each Cell Voltage
- * Each Cell Temperature
- * Total Battery AH Capacity Remaining
- * Days since the last Complete Battery Recharge

BMARS Touchscreen Control Panel



Clean Wireless Installation

