



# SmartHousePower BMS

CleanPowerAuto LLC

## Features:

- Designed for 200AH LiFePo4 battery
- Microprocessor controller backed up by hardware protection
- Internal power contactor to protect the battery from abuse
- Audible and visual low battery warning at 70% DoD
- Audible, visual and relay driven control signal at 80% DoD
- Automatic internal protection disconnect at 85% DoD to prolong battery life
- Audible, visual and relay driven control signal at full charge at 14.4V
- Automatic internal protection disconnect if overcharged to 15.0V
- Audible and visual warning when ambient temperature reaches 60C ( 140F )
- Automatic internal protection disconnect if ambient temperature reaches 70C ( 158F )
- Audible and visual warning when discharge current reaches 1.5C ( 300 Amp )
- 5 seconds delayed automatic disconnect when discharge current reaches 2C ( 400 Amp )
- Audible and visual warning when charge current reaches 0.75C ( 150 Amp )
- Automatic graceful disconnect when charge current reaches 1.0C ( 200Amp )
- Individual LiFePo4 cells within the battery bank are actively balanced by BMS
- Hardware protection from individual cell failures or imbalance
- Power switch for long term storage prevents BMS from bleeding the battery
- BMS housed in high quality waterproof plastic box
- Multiple units can be setup in parallel to increase bank capacity