



The World's Lightest, Strongest
Powersports Batteries
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*Lite Motorcycle
Accessories*

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Charging batteries with the new BMS

Shorai LFX Batteries are now rolling out with an advanced Battery Management System (BMS) inside each battery. One key function provided by the BMS is Protection from Over Discharge. This allows your vehicle to be left unattended and if the battery state of charge falls too low the LFX Battery will disconnect the main terminals, to prevent further discharge from the vehicle systems which would damage the battery. The battery will read zero volts (or near) at the main terminals if it has been locked to prevent over discharge.

Please note that some stock may still not have the new BMS, these batteries have a small green dot on the front of the battery. We are actively bringing out these upgraded batteries as soon as they are available.

The Shorai BMS01 Charger in CHARGE MODE can reset the BMS to reconnect the main terminals in this case, but many "smart chargers" will not. If your charger isn't working, a "jump" of three seconds from a 12V~15V DC source, such as a DC Power Supply or 12V battery, will reset the LFX Battery BMS system and allow normal charging when the smart charger is again connected.

The Shorai BMS01 Charger in **CHARGE MODE** has a highly effective Balancing System which is perfect for an occasional maintenance and tune-up charge for the new LFX batteries with BMS.

Do NOT use the Shorai BMS01 Charger in STORE MODE, with these new BMS-equipped LFX batteries (The new BMS equipped batteries have a small red dot on the front). The battery fully protects against overdischarge itself, and the Shorai internal BMS may conflict with the charger store mode.

You may wish to apply a maintenance charge approximately once a month if not riding, but we do **NOT** recommend leaving the battery on a "maintainer" which keeps it fully charged at all times, as lithium batteries prefer a slightly discharged state. If you are riding at least once a month for almost all modern bikes, you will not need to maintain your LFX battery at all.