

LYNK II/LITE CLOSED LOOP: UNDERCHARGING BATTERIES

CSB Number	855-0017 REV C
Date	Dec 6, 2024

URGENCY



HIGH:
Action immediately



MEDIUM:
Action when possible



LOW:
Action if necessary



**INFORMATION
ONLY**

PRODUCTS AFFECTED

LYNK II or LYNK Lite with 42-48-6650, 44-48-3000, 44-24-2800, 48-48-5120, 48-48-5120-H, DLP-GC2-12V, DLP-GC2-24V, DLP-GC2-36V, or DLP-GC2-48V.

SYMPTOM OBSERVED

Discover lithium batteries are being undercharged when they are in closed-loop communication using a LYNK II or LYNK Lite Gateway with a firmware version before 2.1. Undercharging occurs because the charge voltage delivered to the battery is below the required voltage to charge. The condition can be observed by using LYNK ACCESS software to view the actual charge voltage delivered and comparing with the charge voltage displayed by the power equipment. Corrective action is required if a large difference is observed between the target and actual voltage.

POSSIBLE CAUSE

The inverter/charger receives the target charge voltage from the battery's BMS, but the inverter delivers a lower voltage at the battery terminals. This significant voltage drop will prevent full battery charging.

FIELD CORRECTIVE ACTIONS

Update to LYNK Firmware version 2.1 or later. If this is not an option or not desired, use LYNK ACCESS software for earlier versions to temporarily increase the voltage offset of the Max Charge DeltaV parameter to 7000 mV. This will raise the charge voltage delivered to the batteries.

To request documentation explaining the procedure to change charging parameters using LYNK ACCESS PC software, contact Discover Technical Support by submitting a ticket at [CONTACT SUPPORT](https://www.discoverenergysys.com/contact/contact-technical-support) (www.discoverenergysys.com/contact/contact-technical-support).

