

## Fuel Gauge Learning Checklist

- Battery info recorded (chemistry, rated mAh, cutoff V)
- Charger profile verified (CC/CV, taper current)
- Full charge → Rest 2-3h (record OCV)
- Discharge at nominal load to cutoff
- Periodic samples: V, I, T, SoC every 1-2%
- Rest 2-3h → OCV capture for LUT
- Recharge to full; save logs
- Build OCV-SoC tables across -10/25/45°C
- Validate: error  $\leq \pm 2-3\%$  SoC over test matrix

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