

**Start**

```
graph TD; Start([Start]) --> Capacity[The Capacity Test<br/>0.3C charge/discharge<br/>1h rest, 3 times repeat]; Capacity --> OCV[The OCV Test<br/>pulse charge/discharge cycle<br/>1h rest, 5% SOC step]; OCV --> Params[Parameters Identification<br/>PRBS, 1s sampling<br/>1h rest, 5% SOC step]; Params --> UDDS[UDDS and FUDS Test<br/>90%-20% SOC]; UDDS --> End([End]);
```

**The Capacity Test**

---

0.3C charge/discharge  
1h rest, 3 times repeat

**The OCV Test**

---

pulse charge/discharge cycle  
1h rest, 5% SOC step

**Parameters Identification**

---

PRBS, 1s sampling  
1h rest, 5% SOC step

**UDDS and FUDS Test**

---

90%-20% SOC

**End**