|  |  |
| --- | --- |
| S1 | Working |
| S2 | Not Working |
| S3 | Detecting Voltage Drop |
| S4 | Switching Battery Backup |
| S5 | Actions |
| e1 | sensor failure |
| e2 | poll |
| e3 | voltage drop > 20 |
| e4 | voltage drop > 10 |
| e5 | power supply failure |
| E6 | repair |
| E7 | user command |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **State/f state** | S1 | s2 | s3 | s4 | s5 | s6 |
| S1 | -------- | E1 | E2 | ------ | -------- | ------- |
| S2 | e6 | -------- | ------- | -------- | -------- | ------- |
| S3 | -------- | -------- | -------- | E4 | E5, e3 | ------- |
| S4 | -------- | -------- | -------- | -------- | -------- | ------- |
| S5 | E5 | -------- | -------- | -------- | -------- | ------- |