

STANDBY SERIES

SNO6100 (6V 100AH)



Specifications

| | | |
|----------------------------------|--|----------------------------|
| Nominal Voltage | 6V | |
| Nominal Capacity(10hr) | 100AH | |
| Dimension | Length | 195±2mm(7.68inch) |
| | Width | 170±2mm(6.69inch) |
| | Height | 207±2mm(8.13inch) |
| | Total Height | 212±2mm(8.37inch) |
| Approx Weight | Approx. 15.6kg(34.4lbs) | |
| Terminal Type | T6 | |
| container Material | ABS(UL-94HB) | |
| Internal Resistance | Approx. 5m | |
| Rated Capacity | 107AH/5.2A | (20hr, 1.80V/cell,25 /77) |
| | 100AH/10A | (10hr, 1.80V/cell,25 /77) |
| | 87AH/17.4A | (5hr, 1.75V/cell,25 /77) |
| | 77.0AH/25.67A | (3hr, 1.75V/cell,25 /77) |
| | 62AH/62A | (1hr, 1.60V/cell,25 /77) |
| Max. Discharge Current | 1200A(5S) | |
| Nominal Operating Temp. Range | 25±3 (77±5) | |
| Cycle Use | Charge Current Less Than 0.25CA | |
| | 7.05V~7.35V@25 (77)Temp. Coefficient -15mV/ | |
| Floating Use | No limit on Initial Charging Current Voltage | |
| | 6.75V~6.9V@25 (77)Temp. Coefficient -10mV/ | |
| | 40°C | 103% |
| Capacity affected by Temperature | 25°C | 100% |
| | 0°C | 86% |
| | -15°C | 65% |
| | 3 month | Remaining capacity: 91% |
| Self-discharge | 6 month | Remaining capacity: 82% |
| | 12month | Remaining capacity: 65% |



Constant Power Discharge at 25 (77)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 312.9 | 248.6 | 213.5 | 180.4 | 145 | 110.7 | 90.9 | 58.3 | 46.3 | 37.9 | 30.6 | 26.8 | 21.8 | 18.7 | 10.2 |
| 1.80V/cell | 415.6 | 313.9 | 254.5 | 210.1 | 168.5 | 127.7 | 101.3 | 63.2 | 49.5 | 40.3 | 32.8 | 28.6 | 23.1 | 19.8 | 10.3 |
| 1.75V/cell | 458.6 | 339.3 | 274.6 | 223.9 | 173.5 | 131.3 | 105.5 | 65.3 | 50.2 | 41 | 33.5 | 29.3 | 23.4 | 19.9 | 10.4 |
| 1.70V/cell | 491 | 361.5 | 289.1 | 233.5 | 179.5 | 136 | 108.5 | 67.8 | 51.5 | 42 | 34.3 | 29.8 | 23.7 | 20.1 | 10.6 |
| 1.65V/cell | 533.7 | 386.5 | 305 | 246.2 | 187.8 | 138.1 | 111.3 | 69.3 | 53.5 | 43.3 | 35.1 | 30.4 | 24 | 20.5 | 10.7 |
| 1.60V/cell | 575.1 | 410.1 | 320.8 | 259.4 | 196.9 | 143.2 | 114.7 | 71.2 | 54.9 | 44.5 | 36.2 | 31 | 24.2 | 20.7 | 10.8 |

Constant Current Discharge at 25 (77)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 171.2 | 134.6 | 114.4 | 95.7 | 76.1 | 57.6 | 47.1 | 30 | 23.7 | 19.4 | 15.6 | 13.6 | 11 | 9.44 | 5.15 |
| 1.80V/cell | 229.7 | 171.9 | 138.3 | 113.1 | 89.8 | 67 | 52.8 | 32.8 | 25.6 | 20.7 | 16.8 | 14.6 | 11.7 | 10 | 5.2 |
| 1.75V/cell | 259 | 188.9 | 151 | 121.7 | 93.2 | 69.5 | 55.3 | 34 | 26 | 21.2 | 17.2 | 15 | 11.9 | 10.1 | 5.25 |
| 1.70V/cell | 285.2 | 205.9 | 161.2 | 127.9 | 97 | 72.3 | 57 | 35.3 | 26.8 | 21.7 | 17.7 | 15.3 | 12.1 | 10.2 | 5.35 |
| 1.65V/cell | 314.5 | 222.2 | 171.4 | 135.9 | 102.3 | 74.1 | 58.9 | 36.3 | 27.9 | 22.5 | 18.1 | 15.6 | 12.3 | 10.4 | 5.42 |
| 1.60V/cell | 346.9 | 241.3 | 183.4 | 144.8 | 108 | 77.2 | 61 | 37.6 | 28.7 | 23.2 | 18.7 | 16 | 12.4 | 10.5 | 5.45 |