

STANDBY SERIES

SN12017 (12V 17AH)



Specifications

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|----------------------------------|--|
| Nominal Voltage | 12V |
| Nominal Capacity(20hr) | 17AH |
| Dimension | Length 181±1mm(7.14inch) |
| | Width 77±1mm(3.03inch) |
| | Height 167.5±1mm(6.59inch) |
| | Total Height 167.5±1mm(36.59inch) |
| Approx Weight | Approx. 5kg(11.02lbs) |
| Terminal Type | T3 |
| container Material | ABS(UL-94HB) |
| Internal Resistance | Approx. 90mΩ |
| Rated Capacity | 17AH/0.85A (20hr, 1.80V/cell,25°C/77°F) |
| | 16.32AH/1.63A (10hr, 1.80V/cell,25°C/77°F) |
| | 14.8AH/2.96A (5hr, 1.75V/cell,25°C/77°F) |
| | 13.09AH/4.36A (3hr, 1.75V/cell,25°C/77°F) |
| | 10.54AH/10.54A (1hr, 1.60V/cell,25°C/77°F) |
| Max. Discharge Current | 270A(5S) |
| Nominal Operating Temp. Range | 25±3°C (77±5°F) |
| Cycle Use | Charge Current Less Than 0.25CA |
| | 14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C |
| Floating Use | No limit on Initial Charging Current Voltage |
| | 13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C |
| | 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°C(77°F)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 62.7 | 48.6 | 40.7 | 35.5 | 27.8 | 20.6 | 17.5 | 10.4 | 8.16 | 6.66 | 5.45 | 4.74 | 3.84 | 3.21 | 1.77 |
| 1.80V/cell | 83.2 | 61.4 | 48.5 | 41.4 | 32.3 | 23.8 | 19.5 | 11.3 | 8.74 | 7.07 | 5.82 | 5.06 | 4.06 | 3.31 | 1.78 |
| 1.75V/cell | 91.8 | 66.4 | 52.3 | 44.1 | 33.2 | 24.5 | 20.3 | 11.6 | 8.86 | 7.2 | 5.95 | 5.18 | 4.12 | 3.39 | 1.8 |
| 1.70V/cell | 98.3 | 70.7 | 55.1 | 46 | 34.4 | 25.4 | 20.8 | 11.9 | 9.09 | 7.38 | 6.09 | 5.28 | 4.17 | 3.46 | 1.83 |
| 1.65V/cell | 106.9 | 75.6 | 58.1 | 48.5 | 36 | 25.8 | 21.2 | 12 | 9.44 | 7.61 | 6.24 | 5.38 | 4.23 | 3.52 | 1.85 |
| 1.60V/cell | 115.2 | 80.2 | 61.1 | 51.1 | 37.7 | 26.7 | 21.3 | 12.5 | 9.68 | 7.82 | 6.42 | 5.48 | 4.26 | 3.56 | 1.86 |

Constant Current Discharge at 25°C(77°F)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 34.3 | 26.3 | 21.8 | 18.9 | 14.6 | 10.7 | 9.05 | 5.35 | 4.19 | 3.41 | 2.78 | 2.41 | 1.94 | 1.62 | 0.89 |
| 1.80V/cell | 46 | 33.6 | 26.3 | 22.3 | 17.2 | 12.5 | 10.1 | 5.84 | 4.51 | 3.64 | 2.98 | 2.58 | 2.06 | 1.67 | 0.9 |
| 1.75V/cell | 51.9 | 37 | 28.8 | 24 | 17.9 | 13 | 10.6 | 6.06 | 4.59 | 3.72 | 3.06 | 2.66 | 2.1 | 1.72 | 0.91 |
| 1.70V/cell | 57.1 | 40.3 | 30.7 | 25.2 | 18.6 | 13.5 | 10.9 | 6.21 | 4.72 | 3.82 | 3.14 | 2.71 | 2.13 | 1.75 | 0.93 |
| 1.65V/cell | 63 | 43.5 | 32.7 | 26.8 | 19.6 | 13.8 | 11.2 | 6.3 | 4.92 | 3.95 | 3.22 | 2.77 | 2.16 | 1.79 | 0.94 |
| 1.60V/cell | 69.5 | 47.2 | 34.9 | 28.5 | 20.7 | 14.4 | 11.3 | 6.57 | 5.07 | 4.07 | 3.33 | 2.83 | 2.18 | 1.81 | 0.95 |