Drypower

RECHARGEABLE SEALED LEAD ACID BATTERY

12SB34C (12V 34Ah)

SPECIFICATIONS

Nominal Voltage (V)

12V

Nominal Capacity

 20 hour rate
 (1.70A to 10.50V)
 34Ah

 10 hour rate
 (3.23A to 10.50V)
 32.3Ah

 5 hour rate
 (5.78A to 10.20V)
 28.9Ah

 1C
 (34A to 9.60V)
 19.27Ah

 3C
 (102A to 9.60V)
 13.6Ah

Weight

Approx. 10.5kg (23.1lbs)

Internal Resistance (@1kHz)

Approx. 11mΩ

510A

Maximum Discharge Current

For 5 seconds

Charging Methods @25°C (77°F)

Cycle Use:

Charging Voltage 14.4V to 15.0V

Coefficient -5.0mV/°C/Cell

Maximum Charging Current 10.2A

Standby Use:

Float Charging Voltage 13.50V to 13.80V

Coefficient -3.0mV/°C/Cell

Operating Temperature Range

Charge -15°C (5°F) to +40°C (104°F) Discharge -15°C (5°F) to +50°C (122°F) Storage -15°C (5°F) to +40°C (104°F)

Charge Retention (Shelf Life) @20°C (68°F)

 1 month
 92%

 3 months
 90%

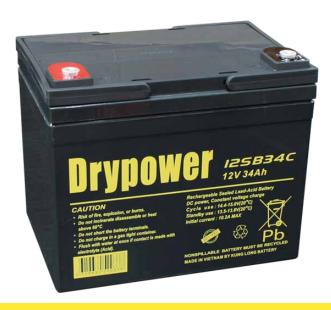
 6 months
 80%

Case Material ABS

Terminal F6

Description of Torque Value of Hard Ware for the Terminals

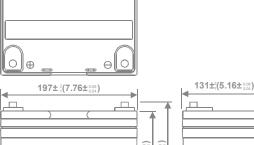
Recommended Torque Value M5: 2.94 N-m (30kg-cm) Max. Allowable Torque Value M5: 4.90 N-m (50kg-cm)

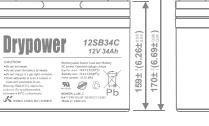


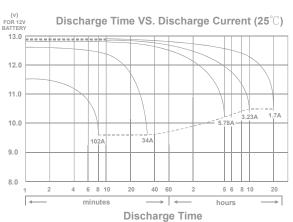
DIMENSIONS

mm (inch)

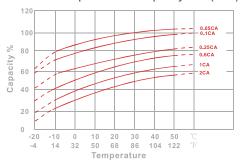






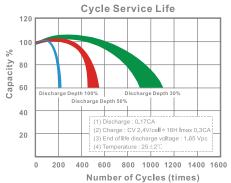






Trickle (or float) Service Life





- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

68 86 104 122 Ambient Temperature

| | End Voltage | 1,85V | 1.80V | 1.75V | 1.70V | 1,67V | 1,65V | 1,60V |
|------|-------------|-------|---------|-------|-------|--------|--------|---------|
| Time | | 1.004 | 1.00 \$ | 1.750 | 1.700 | 1.07 V | 1.03 V | 1.00 \$ |
| 5 | min | 739 | 992 | 1182 | 1302 | 1344 | 1386 | 1442 |
| 10 | min | 521 | 682 | 804 | 880 | 906 | 934 | 969 |
| 15 | min | 422 | 546 | 638 | 695 | 713 | 735 | 762 |
| 30 | min | 229 | 297 | 347 | 378 | 388 | 400 | 414 |
| 60 | min | 217 | 231 | 240 | 245 | 247 | 250 | 252 |
| 120 | min | 136 | 143 | 147 | 150 | 151 | 153 | 154 |
| 180 | min | 92.1 | 97.8 | 102 | 104 | 105 | 106 | 107 |
| 240 | min | 74.0 | 78.6 | 81.6 | 83.4 | 84.3 | 85.1 | 85.8 |
| 300 | min | 63.1 | 67.1 | 69.6 | 71.2 | 71.8 | 72.6 | 73.2 |
| 600 | min | 37.3 | 39.7 | 41.2 | 42.1 | 42.5 | 42.9 | 43.3 |
| 1200 | min | 19.6 | 20.8 | 21.6 | 22.1 | 22.3 | 22.5 | 22.7 |

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

| = 1.7.16 | | | | | | | | | | | |
|----------|-------------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| | End Voltage | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1,60V | | | |
| Time | | | | | | | | | | | |
| 5 | min | 88.7 | 109 | 123 | 132 | 135 | 139 | 143 | | | |
| 10 | min | 61.5 | 71.4 | 77.5 | 81.8 | 83.7 | 86.2 | 89.3 | | | |
| 15 | min | 51.2 | 58.6 | 63.4 | 66.1 | 66.9 | 67.8 | 69.2 | | | |
| 30 | min | 29.6 | 33.5 | 35.1 | 36.4 | 36.8 | 37.3 | 37.9 | | | |
| 60 | min | 17.7 | 19.0 | 19.9 | 20.6 | 20.8 | 21.1 | 21.4 | | | |
| 120 | min | 10.6 | 11.4 | 11.9 | 12.3 | 12.4 | 12.6 | 12.8 | | | |
| 180 | min | 7.86 | 8.37 | 8.73 | 8.99 | 9.06 | 9.14 | 9.27 | | | |
| 240 | min | 5.91 | 6.35 | 6.73 | 6.92 | 6.97 | 7.04 | 7.15 | | | |
| 300 | min | 5.31 | 5.59 | 5.75 | 5.88 | 5.93 | 5.99 | 6.07 | | | |
| 600 | min | 3.10 | 3.22 | 3.32 | 3.41 | 3.44 | 3.47 | 3.51 | | | |
| 1200 | min | 1.58 | 1.67 | 1.73 | 1.77 | 1.78 | 1.80 | 1.82 | | | |

All data on the spec. sheet is an average value:

The tolerance range: $X < 6\min(+15\% - 15\%)$, $6\min \le X < 10\min(+12\% - 12\%)$, $10\min \le X < 60\min(+8\% - 28\%)$, $X \ge 60\min(+5\% - 28\%)$

Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.