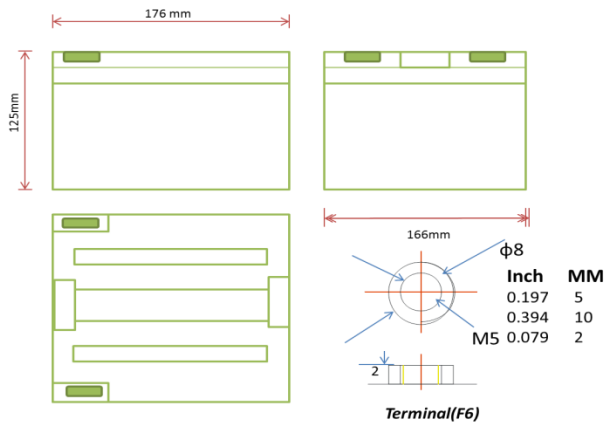


# ECO-FRIENDLY ADVANCE TECHNOLOGY BATTERY

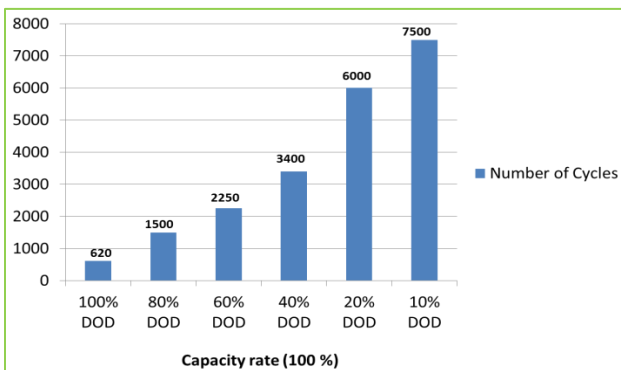


## 12- EFSL -34, 12V 34Ah@20HR

### DIMENSION



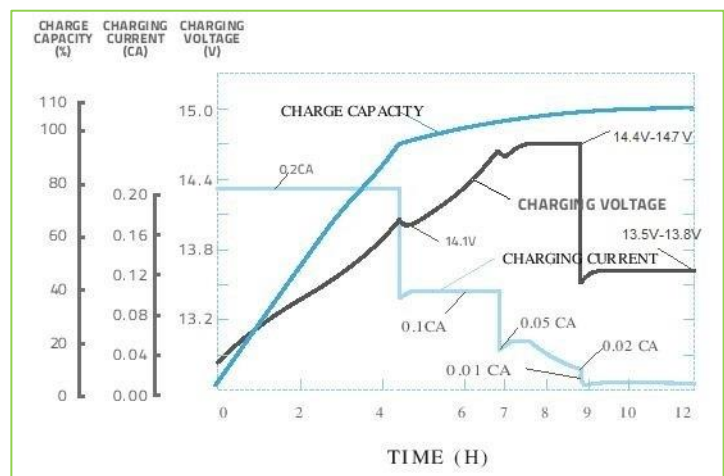
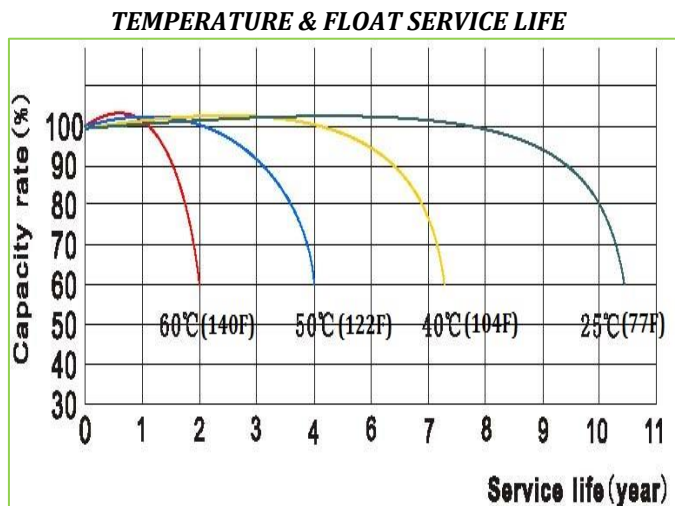
### CYCLE LIFE GRAPH (25°C/77°F)



### SPECIFICATIONS

|                                   |                               |                         |
|-----------------------------------|-------------------------------|-------------------------|
| Nominal Voltage                   | 12V                           |                         |
| Rated Capacity (20 hour rate)     | 34AH                          |                         |
| Dimension                         | Total Height (with terminals) | 125 mm                  |
|                                   | Height                        | 125mm                   |
|                                   | Length                        | 176mm                   |
|                                   | Width                         | 166mm                   |
| Weight                            | Approx.                       | 9.3 Kg/20.5 lbs.        |
| Capacity (77°F/25°C)              | 10 hour rate (3.2A)           | 31.5AH                  |
|                                   | 5 hour rate (6.0A)            | 30AH                    |
| Internal Resistance (77°F/25°C)   | Full Charged Battery          | ≤12mΩ                   |
| Self-Discharge (77°F/25°C)        | After 3 months Storage        | 95%                     |
|                                   | After 6 months storage        | 85%                     |
|                                   | After 12 months storage       | 80%                     |
| Max Discharge Current (77°F/25°C) | 270A(5S)                      |                         |
| Terminal                          | Standard                      | F6                      |
|                                   | Optional                      |                         |
| Charging (Constant Voltage)       | Cycle                         | 14.4V-14.7V (77°F/25°C) |
|                                   | Float                         | 13.5V-13.8V (77°F/25°C) |

### CHARGE CHARACTERISTIC 25°C (77°F)



Soneil Chargers Recommended

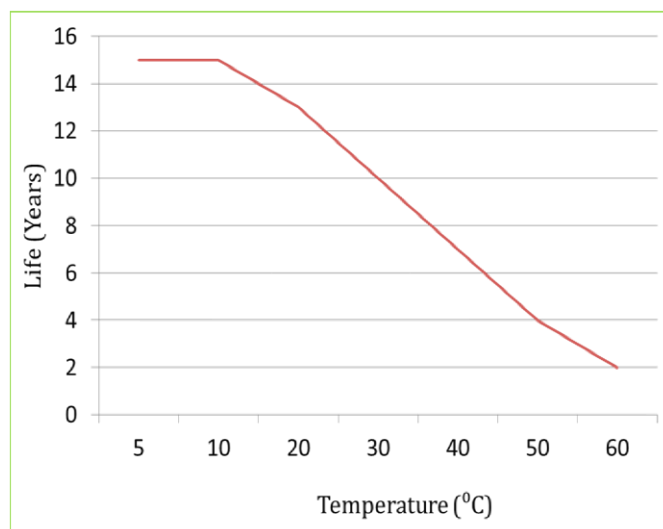
### CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNITS AMPERES (25°C/77°F)

| End Voltage<br>per cell ( V ) | Time (Mins) |       |       |       |       |       |      |      |      |      |      |      |      |      |      |
|-------------------------------|-------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
|                               | 5           | 15    | 30    | 45    | 60    | 120   | 180  | 240  | 300  | 360  | 480  | 600  | 720  | 1200 | 1440 |
| 1.60                          | 115.59      | 61.17 | 36.96 | 26.95 | 21.70 | 12.43 | 9.03 | 7.08 | 6.04 | 5.13 | 3.91 | 3.26 | 2.74 | 1.78 | 1.45 |
| 1.67                          | 107.43      | 59.17 | 36.41 | 26.76 | 21.67 | 12.38 | 8.87 | 7.05 | 5.95 | 5.10 | 3.91 | 3.22 | 2.73 | 1.78 | 1.45 |
| 1.70                          | 106.33      | 58.26 | 36.05 | 26.40 | 21.49 | 12.27 | 8.81 | 7.01 | 5.86 | 5.04 | 3.90 | 3.22 | 2.72 | 1.77 | 1.45 |
| 1.75                          | 97.41       | 56.44 | 35.69 | 26.22 | 21.12 | 12.04 | 8.78 | 6.92 | 5.81 | 5.01 | 3.88 | 3.19 | 2.71 | 1.76 | 1.45 |
| 1.80                          | 87.39       | 52.79 | 34.23 | 25.49 | 20.58 | 11.85 | 8.74 | 6.90 | 5.74 | 4.95 | 3.86 | 3.15 | 2.69 | 1.70 | 1.44 |
| 1.83                          | 83.54       | 48.43 | 33.69 | 24.58 | 19.67 | 11.74 | 8.39 | 6.61 | 5.61 | 4.77 | 3.78 | 3.02 | 2.59 | 1.68 | 1.42 |
| 1.85                          | 78.28       | 46.97 | 31.50 | 23.67 | 19.12 | 11.27 | 8.18 | 6.52 | 5.46 | 4.61 | 3.73 | 2.99 | 2.55 | 1.67 | 1.41 |

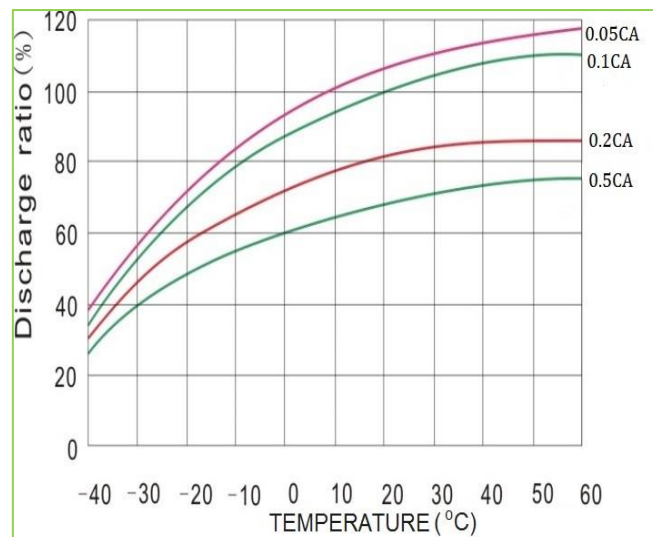
### DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C/77°F)

| End Voltage<br>per cell ( V ) | Time (Mins) |        |       |       |       |       |       |       |       |      |      |      |      |      |      |
|-------------------------------|-------------|--------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
|                               | 5           | 15     | 30    | 45    | 60    | 120   | 180   | 240   | 300   | 360  | 480  | 600  | 720  | 1200 | 1440 |
| 1.60                          | 193.16      | 107.41 | 69.18 | 50.43 | 40.57 | 23.49 | 17.17 | 13.60 | 11.49 | 9.87 | 7.61 | 6.30 | 5.30 | 3.53 | 2.89 |
| 1.67                          | 183.87      | 105.77 | 66.38 | 50.07 | 40.43 | 23.49 | 16.95 | 13.58 | 11.49 | 9.85 | 7.61 | 6.28 | 5.30 | 3.53 | 2.89 |
| 1.70                          | 182.78      | 105.05 | 66.23 | 50.07 | 40.23 | 23.30 | 16.85 | 13.53 | 11.31 | 9.78 | 7.56 | 6.23 | 5.24 | 3.51 | 2.89 |
| 1.75                          | 170.22      | 103.77 | 66.06 | 50.07 | 40.05 | 23.12 | 16.67 | 13.51 | 11.27 | 9.70 | 7.52 | 6.18 | 5.24 | 3.51 | 2.88 |
| 1.80                          | 156.21      | 98.49  | 64.99 | 49.15 | 39.87 | 23.12 | 16.45 | 13.47 | 11.20 | 9.70 | 7.50 | 6.15 | 5.24 | 3.42 | 2.88 |
| 1.83                          | 150.74      | 90.48  | 64.45 | 47.70 | 38.23 | 22.94 | 16.18 | 13.02 | 11.07 | 9.39 | 7.50 | 5.97 | 5.15 | 3.39 | 2.86 |
| 1.85                          | 139.64      | 88.48  | 59.90 | 45.88 | 37.14 | 22.39 | 15.93 | 12.85 | 10.76 | 9.21 | 7.21 | 5.92 | 5.06 | 3.35 | 2.84 |

**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE AND DISCHARGE CAPACITY**



“Specifications subject to change without notice “

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