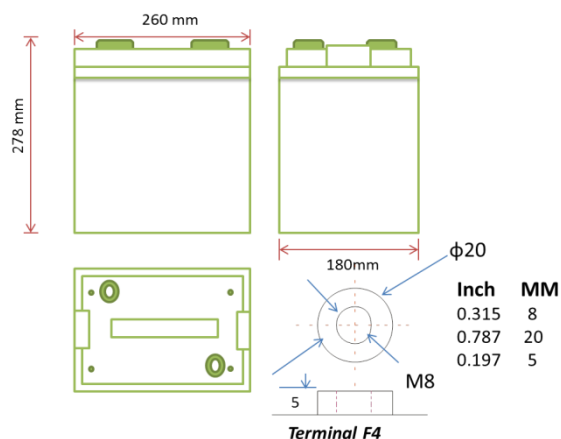


# ECO-FRIENDLY ADVANCE TECHNOLOGY BATTERY

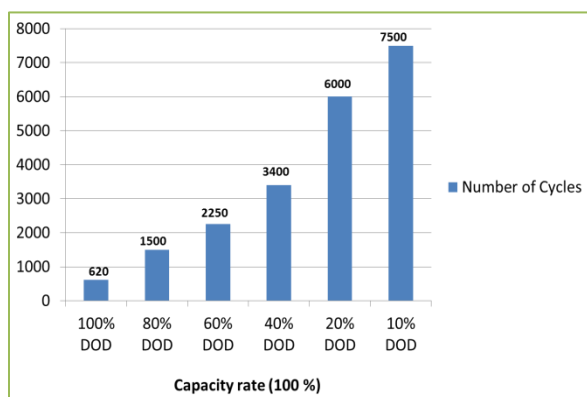


## 6- EFSL -281, 6V 281Ah@20HR

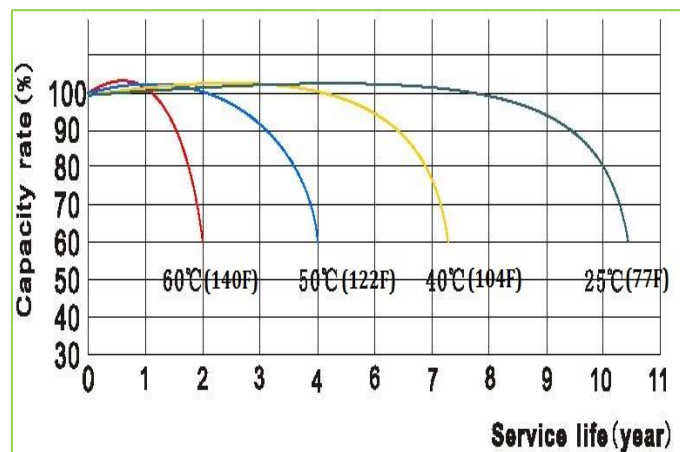
### DIMENSION



### CYCLE LIFE GRAPH (25°C/77°F)



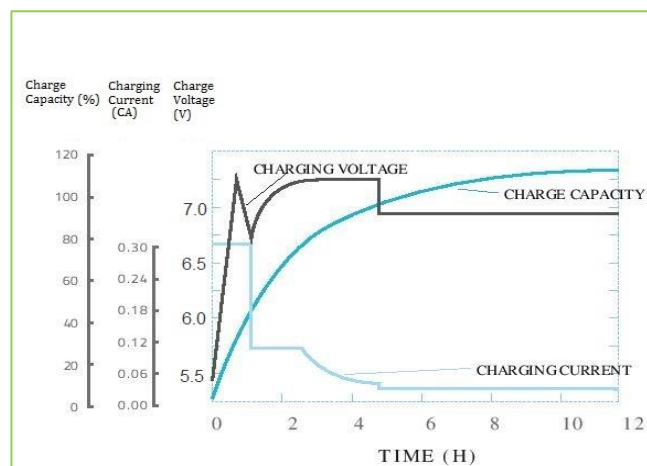
### TEMPERATURE & FLOAT SERVICE LIFE



### SPECIFICATIONS

|                                   |                               |                        |
|-----------------------------------|-------------------------------|------------------------|
| Nominal Voltage                   | 6V                            |                        |
| Rated Capacity (20 hour rate)     | 281AH                         |                        |
| Dimension                         | Total Height (with terminals) | 278 mm                 |
|                                   | Height                        | 270 mm                 |
|                                   | Length                        | 260 mm                 |
|                                   | Width                         | 180 mm                 |
| Weight                            | Approx.                       | 34.8 Kg/76.65lbs.      |
| Capacity (77°F/25°C)              | 10 hour rate (26A)            | 260AH                  |
|                                   | 5 hour rate (45A)             | 225AH                  |
| Internal Resistance (77°F/25°C)   | Full Charged Battery          | ≤1.5mΩ                 |
| 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) | 2100A(5S)                     |                        |
| Terminal                          | Standard                      | F4                     |
|                                   | Optional                      |                        |
| Charging (Constant Voltage)       | Cycle                         | 7.3V-7.4V (77°F/25°C)  |
|                                   | Float                         | 6.8V-6.9 V (77°F/25°C) |

### CHARGE CHARACTERISTIC 25°C (77°F)



Soneil Chargers Recommended

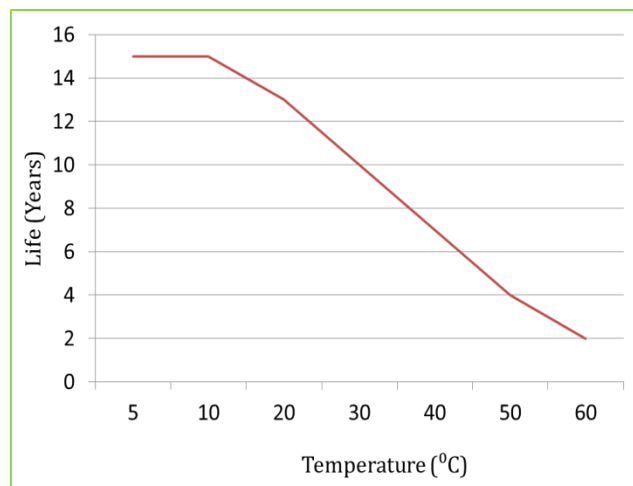
### CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNITS AMPERES (25°C/77°F)

| 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                        | 954.10      | 504.92 | 305.08 | 222.42 | 179.14 | 102.64 | 74.54 | 58.46 | 49.86 | 42.38 | 32.31 | 26.90 | 22.58 | 14.70 | 12.01 |
| 1.67                        | 886.70      | 488.38 | 300.56 | 220.90 | 178.83 | 102.20 | 73.19 | 58.16 | 49.15 | 42.08 | 32.27 | 26.60 | 22.54 | 14.65 | 11.96 |
| 1.70                        | 877.66      | 480.90 | 297.54 | 217.91 | 177.35 | 101.30 | 72.74 | 57.86 | 48.39 | 41.63 | 32.16 | 26.60 | 22.47 | 14.61 | 11.95 |
| 1.75                        | 804.02      | 465.82 | 294.58 | 216.42 | 174.34 | 99.34  | 72.44 | 57.13 | 47.94 | 41.33 | 32.01 | 26.30 | 22.36 | 14.55 | 11.93 |
| 1.80                        | 721.34      | 435.76 | 282.52 | 210.39 | 169.83 | 97.84  | 72.14 | 56.96 | 47.34 | 40.88 | 31.86 | 26.00 | 22.24 | 14.05 | 11.90 |
| 1.83                        | 689.52      | 399.78 | 278.04 | 202.90 | 162.32 | 96.94  | 69.28 | 54.55 | 46.29 | 39.38 | 31.18 | 24.95 | 21.34 | 13.90 | 11.75 |
| 1.85                        | 646.15      | 387.71 | 260.00 | 195.38 | 157.79 | 93.03  | 67.48 | 53.80 | 45.09 | 38.07 | 30.81 | 24.65 | 21.04 | 13.75 | 11.65 |

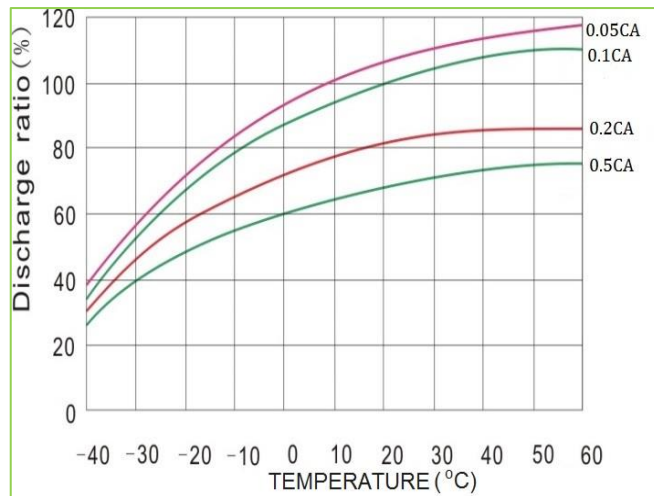
### DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C/77°F)

| 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                        | 1594.31     | 886.59 | 571.02 | 416.24 | 334.84 | 193.85 | 141.70 | 112.25 | 94.82 | 81.45 | 62.81 | 51.99 | 43.73 | 29.15 | 23.89 |
| 1.67                        | 1517.70     | 873.06 | 547.93 | 413.24 | 333.73 | 193.85 | 139.90 | 112.10 | 94.82 | 81.30 | 62.81 | 51.84 | 43.73 | 29.15 | 23.89 |
| 1.70                        | 1508.68     | 867.04 | 546.65 | 413.24 | 332.08 | 192.34 | 139.09 | 111.69 | 93.32 | 80.69 | 62.36 | 51.39 | 43.28 | 29.00 | 23.89 |
| 1.75                        | 1405.00     | 856.52 | 545.23 | 413.24 | 330.59 | 190.84 | 137.61 | 111.50 | 93.02 | 80.09 | 62.06 | 51.05 | 43.28 | 29.00 | 23.74 |
| 1.80                        | 1289.32     | 812.94 | 536.45 | 405.72 | 329.09 | 190.84 | 135.76 | 111.20 | 92.42 | 80.09 | 61.91 | 50.79 | 43.28 | 28.25 | 23.74 |
| 1.83                        | 1244.22     | 746.83 | 531.95 | 393.70 | 315.56 | 189.34 | 133.55 | 107.44 | 91.36 | 77.54 | 61.91 | 49.29 | 42.53 | 27.95 | 23.59 |
| 1.85                        | 1152.55     | 730.29 | 494.38 | 378.70 | 306.55 | 184.83 | 131.49 | 106.09 | 88.81 | 76.04 | 59.51 | 48.84 | 41.77 | 27.65 | 23.44 |

**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE AND DISCHARGE CAPACITY**



“Specifications subject to change without notice “

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