

SPG series battery uses latest VRLA technology with longer cycle life. It is suitable for large current and deep cyclic applications. It can be used in e-vehicles, sightseeing, golf and logistics cars.



### Benefits

- Up to 700 cycles 80% DOD
- Good large current discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

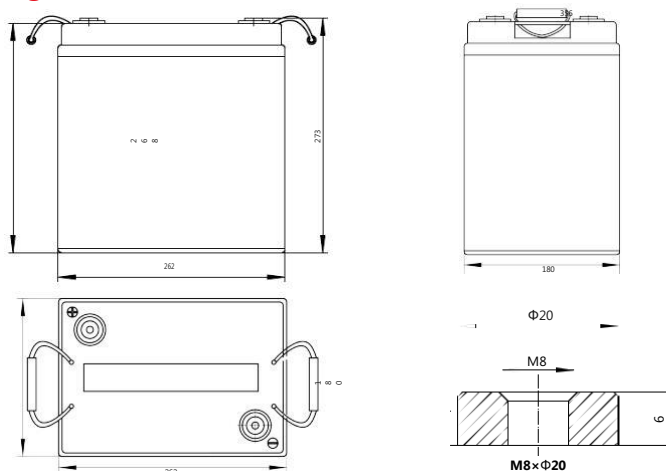
### Applications

- Electrical Vehicle
- Mixture Electrical vehicle

### Standards

- GB/T 18332.1
- QC/T 742
- IEC61982-3
- GB/T 7403.1
- GB/T 23636

### Drawing



### Specifications

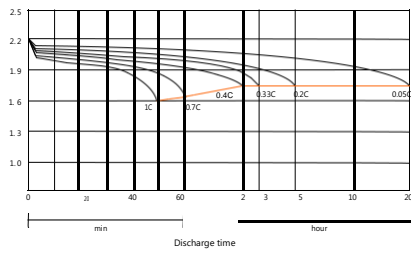
|                                       |  |                    |                     |                 |
|---------------------------------------|--|--------------------|---------------------|-----------------|
| Battery Model                         | SPG260-6                                     |                    |                     |                 |
| Design Life (80% DOD)                 | 700 cycles                                   |                    |                     |                 |
| Capacity (Ah, 25°C)                   | 20HR (13.0A, 1.75V)                          | 5HR (44.0A, 1.75V) | 3HR (66.67A, 1.75V) | 2HR(90A, 1.75V) |
|                                       | 260  | 220                | 200                 | 180             |
| Dimensions (mm)                       | Length                                       | Width              | Height              | Total Height    |
|                                       | 262  | 180                | 268                 | 273             |
| Approx. Weight (kg)                   | 35.0   |                    |                     |                 |
| Reference Internal Resistance (mΩ)    | 2.0 ( full charged @ 25°C)                   |                    |                     |                 |
| Maximum Discharge Current (A/10 Sec.) | 1800   |                    |                     |                 |
| Self-Discharge (25°C)                 | ≤3% per month                                |                    |                     |                 |
| Charge Voltage (V/cell, 25°C)         | Cycle use                                    |                    | Float use           |                 |
|                                       | 2.45 (-3mV/°C/cell), max charge current: 30A |                    | 2.35 (-3mV/°C/cell) |                 |

### Discharge Data

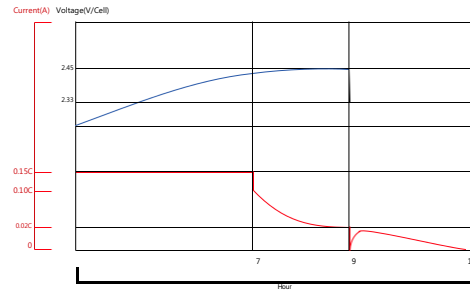
| Constant Current Discharge Data (25°C, A) |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| End Voltage (V/cell)                      | min   |       |       |       |       | h     |       |       |       |       |       |
|   | 10    | 20    | 30    | 45    | 60    | 1.5   | 2     | 3     | 5     | 10    | 20    |
| 1.60                                      | 552.4 | 339.5 | 252.0 | 186.8 | 151.5 | 112.2 | 92.02 | 67.93 | 44.66 | 23.81 | 13.14 |
| 1.65                                      | 542.2 | 335.4 | 250.0 | 185.6 | 150.7 | 111.5 | 91.44 | 67.51 | 44.45 | 23.69 | 13.08 |
| 1.70                                      | 533.4 | 331.4 | 247.5 | 184.2 | 149.6 | 110.7 | 90.85 | 67.12 | 44.24 | 23.58 | 13.04 |
| 1.75                                      | 501.0 | 318.0 | 240.0 | 180.0 | 147.0 | 109.3 | 90.00 | 66.67 | 44.00 | 23.50 | 13.00 |
| 1.80                                      | 474.6 | 302.9 | 230.2 | 173.4 | 142.3 | 106.3 | 87.82 | 65.33 | 43.32 | 23.21 | 12.89 |

| Constant Current Discharge Data (25°C, W/cell) |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| End Voltage (V/cell)                           | min   |       |       |       |       | h     |       |       |       |       |       |
|  | 10    | 20    | 30    | 45    | 60    | 1.5   | 2     | 3     | 5     | 10    | 20    |
| 1.60   | 976.6 | 615.6 | 466.1 | 350.9 | 288.0 | 215.5 | 178.8 | 132.8 | 87.74 | 47.06 | 26.07 |
| 1.65   | 969.8 | 613.3 | 465.1 | 350.3 | 287.6 | 215.0 | 178.3 | 132.4 | 87.59 | 46.97 | 26.06 |
| 1.70   | 964.2 | 610.8 | 463.8 | 349.7 | 286.9 | 214.2 | 177.5 | 132.1 | 87.47 | 46.92 | 26.04 |
| 1.75   | 921.4 | 594.7 | 454.8 | 344.8 | 283.9 | 213.0 | 176.8 | 131.9 | 87.35 | 46.89 | 26.02 |
| 1.80   | 895.6 | 578.4 | 444.0 | 337.3 | 278.7 | 209.5 | 174.1 | 130.0 | 86.49 | 46.46 | 25.89 |

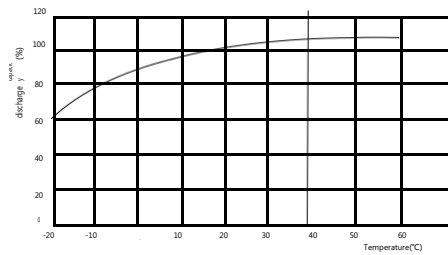
### Performance Curve



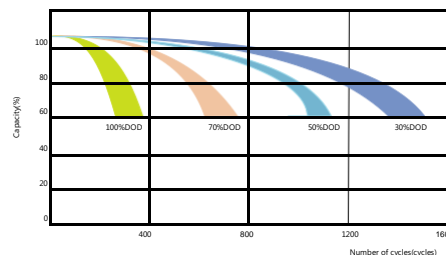
Discharging performance



Charge performance



Discharge capacity vs. temperature



Cycles vs. discharge depth