

# SP Series

## SP12-26(R) 12V26Ah

SP series VRLA battery uses AGM technology and high-purity raw materials. Its good floating back up and large current discharge performance makes it optimal and economical choice for UPS/EPS.

### Benefits

- Long life according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Easy installation and handling
- Vertical installation

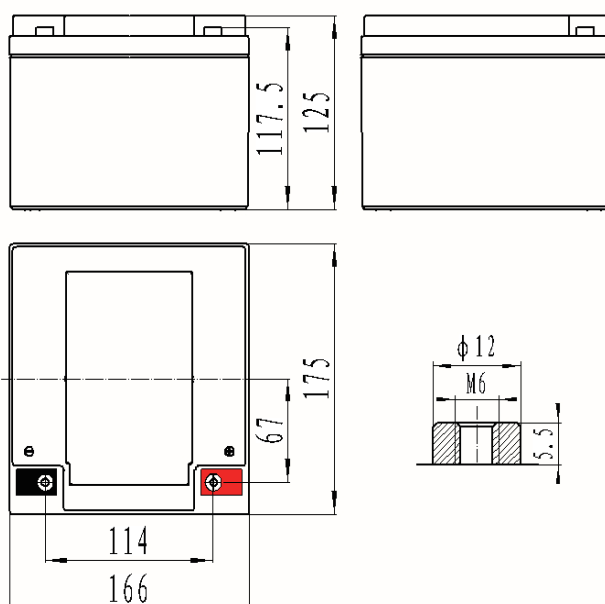
### Applications

- UPS units
- Emergency power
- Starting generators
- EPS units

### Standards

- IEC 61056-1/2
- JIS C8702-1/2
- EUROBAT guide

### Drawing



### Specifications

|                                    |                                                          |                     |                       |                   |
|------------------------------------|----------------------------------------------------------|---------------------|-----------------------|-------------------|
| Battery Model                      | SP12-26(R)                                               |                     |                       |                   |
| Design Life (years, 25°C)          | 10                                                       |                     |                       |                   |
| Capacity (Ah, 25°C)                | 20HR (1.3A, 1.75V)                                       | 10HR (2.42A, 1.75V) | 5HR (4.70A, 1.75V)    | 1HR(16.4A, 1.70V) |
|                                    | 26                                                       | 24.2                | 23.5                  | 16.4              |
| Dimensions (mm)                    | Length                                                   | Width               | Height                | Total Height      |
|                                    | 166                                                      | 175                 | 125                   | 125               |
| Approx. Weight (kg)                | 8.0                                                      |                     |                       |                   |
| Reference Internal Resistance (mΩ) | 8.8±15%( full charged @ 25°C,testing device:HIOKIBT3562) |                     |                       |                   |
| Self-Discharge (25°C)              | ≤ 2 % per month                                          |                     |                       |                   |
| Charge Voltage (V/cell, 25°C)      | Cycle use                                                |                     | Float use             |                   |
|                                    | 2.45 (-3.5mV/°C/cell), max charge current:7.8A           |                     | 2.27 (-3.5mV/°C/cell) |                   |
| Short Circuit Current (A)          | 780( for reference only )                                |                     |                       |                   |

## Discharge Data

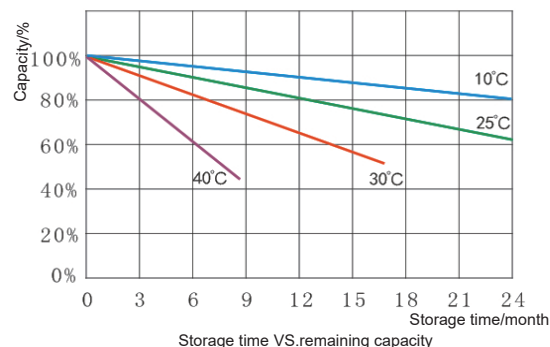
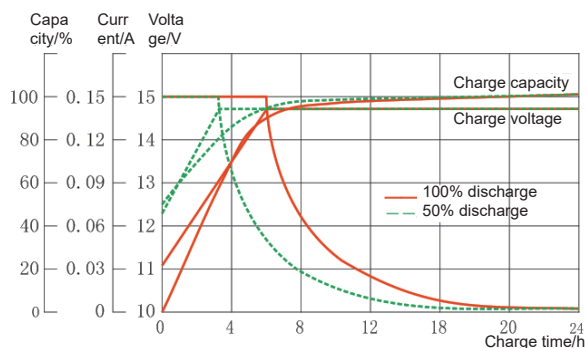
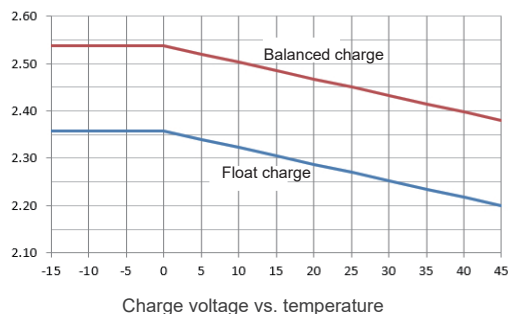
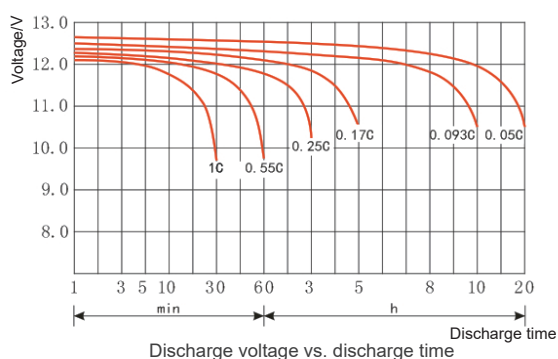
**Constant Current Discharge Data (25°C, A)**

| End Voltage (V/cell) | min  |      |      |      |      | h    |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                      | 10   | 15   | 20   | 30   | 45   | 1    | 1.5  | 2    | 3    | 5    | 10   | 20   |
| 1.60                 | 63.3 | 50.3 | 41.0 | 29.2 | 20.6 | 16.7 | 11.9 | 9.62 | 7.14 | 4.78 | 2.46 | 1.33 |
| 1.65                 | 61.3 | 49.0 | 40.5 | 29.0 | 20.5 | 16.6 | 11.8 | 9.55 | 7.10 | 4.76 | 2.45 | 1.32 |
| 1.67                 | 59.8 | 48.3 | 40.0 | 28.7 | 20.2 | 16.5 | 11.8 | 9.50 | 7.06 | 4.74 | 2.44 | 1.32 |
| 1.70                 | 58.4 | 47.6 | 39.5 | 28.4 | 20.0 | 16.4 | 11.7 | 9.45 | 7.03 | 4.72 | 2.43 | 1.31 |
| 1.75                 | 56.8 | 46.8 | 39.0 | 28.0 | 19.8 | 16.3 | 11.6 | 9.40 | 7.00 | 4.70 | 2.42 | 1.30 |
| 1.80                 | 53.3 | 44.7 | 37.7 | 27.4 | 19.5 | 16.0 | 11.4 | 9.30 | 6.95 | 4.67 | 2.40 | 1.28 |

**Constant Power Discharge Data (25°C, W/cell)**

| End Voltage (V/cell) | min |      |      |      |      | h    |      |      |      |      |      |      |
|----------------------|-----|------|------|------|------|------|------|------|------|------|------|------|
|                      | 10  | 15   | 20   | 30   | 45   | 1    | 1.5  | 2    | 3    | 5    | 10   | 20   |
| 1.60                 | 118 | 96.0 | 79.3 | 56.8 | 40.3 | 32.8 | 23.5 | 19.1 | 14.2 | 9.52 | 4.90 | 2.64 |
| 1.65                 | 115 | 93.8 | 78.4 | 56.4 | 40.0 | 32.7 | 23.4 | 19.0 | 14.1 | 9.50 | 4.88 | 2.63 |
| 1.67                 | 112 | 92.8 | 77.6 | 56.0 | 39.8 | 32.6 | 23.3 | 18.9 | 14.0 | 9.48 | 4.88 | 2.62 |
| 1.70                 | 110 | 91.7 | 76.8 | 55.5 | 39.6 | 32.4 | 23.2 | 18.8 | 14.0 | 9.46 | 4.87 | 2.62 |
| 1.75                 | 108 | 90.4 | 76.0 | 55.0 | 39.4 | 32.2 | 23.0 | 18.7 | 13.8 | 9.45 | 4.86 | 2.60 |
| 1.80                 | 102 | 86.5 | 73.8 | 53.8 | 38.6 | 31.7 | 22.8 | 18.6 | 13.6 | 9.40 | 4.84 | 2.58 |

## Performance Curve


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