

# GEL BATTERY

## POWER 12V 17AH



### APPLICATION

- Communicate
- DC Panel
- Solar
- EPS
- UPS
- Other Float

### BATTERY CHARACTERISTICS

- NP 12V battery series for high performance, multi-energy design;
- Design life (25 C): 7+ years (24Ah above); 3 years (17Ah or less);
- When the one-way exhaust valve is safe and has a long battery life;
- Absorption glass mat technology allows gas in line with efficiency up to 99%, so that the electrolyte is maintenance-free function;
- Professionally designed lead calcium tin aluminum alloy grid, minimizing the amount of gas produced, and can be easily cycle recycled;
- Excellent large current discharge performance, long service life;
- Excellent deep discharge performance, in line with DIN43539 T5 standards;
- Low self-discharge rate (about 3% per month at 20 C);
- Housing material: ABS; optional ABS, UL94-V0;
- It can be used in any orientation. Vertical, lateral, or side placement;
- Completely recycled.

### Technical data

| Model.                                                   | S-Gel Bat 17AH/12V                                                                                                                                                                               |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage                                                  | 12 V                                                                                                                                                                                             |
| Capacity / Ah (C20, 1.75V @ 25°C)                        | 17 Ah                                                                                                                                                                                            |
| Size (L*W*H*TH) (mm)                                     | 181 x 77 x 167 x 167 mm.                                                                                                                                                                         |
| Weight (kg)                                              | 5.0                                                                                                                                                                                              |
| Terminals                                                | M5L , M5T                                                                                                                                                                                        |
| Temperature range                                        | Discharge: -30°C to 50°C, Charging: -20°C to 40°C (Charging voltage application temperature compensated)                                                                                         |
| Operating temperature range                              | 20°C to 25°C                                                                                                                                                                                     |
| Float voltage                                            | The average temperature at 25°C, 13.65±0.15V DC / Per Day                                                                                                                                        |
| The maximum charging current                             | C / 5A (20 hour rate capacity 1/5 times current)                                                                                                                                                 |
| Charging voltage balancing and cycle time of application | The average temperature at 25°C, 14.2 to 14.8 V DC / Per Day                                                                                                                                     |
| Maximum AC Ripple (Charger)                              | For best results, it is recommended float voltage fluctuation 1.5% 0.5% RMS or peak (P-P), the maximum allowed AC ripple float voltage = 1.4% RMS (4% P-P), the maximum AC current = C / 20A RMS |
| Self-discharge                                           | At 25°C environment can be stored for 6 months and then needs a refresh charging. If stored at higher temperatures, Refresh interval to be shorter charging time                                 |
| Enclosure (Optional)                                     | Cable between the battery, stand, battery cabinet                                                                                                                                                |

## Constant power discharge - Watts Per Cell@77 F(25°C)

| End voltage<br>Per Cell | Min   |      |       |      |      | Hour  |      |      |      |      |      |      |
|-------------------------|-------|------|-------|------|------|-------|------|------|------|------|------|------|
|                         | 5     | 10   | 15    | 30   | 60   | 2     | 3    | 4    | 5    | 8    | 10   | 20   |
| 1.85                    | 87.3  | 67.5 | 54.9  | 37.7 | 22.9 | 12.03 | 8.66 | 7.04 | 6.93 | 3.90 | 3.13 | 1.49 |
| 1.80                    | 99.2  | 72.5 | 58.4  | 38.7 | 23.3 | 12.22 | 8.74 | 7.10 | 6.95 | 3.90 | 3.18 | 1.55 |
| 1.75                    | 111.1 | 77.6 | 61.8  | 39.6 | 23.8 | 12.39 | 8.81 | 7.15 | 6.97 | 3.92 | 3.24 | 1.60 |
| 1.70                    | 123.0 | 81.0 | 65.2  | 40.6 | 24.2 | 12.60 | 8.86 | 7.21 | 6.99 | 3.93 | 3.27 | 1.67 |
| 1.67                    | 125.6 | 83.5 | 66.38 | 40.9 | 24.2 | 12.63 | 8.88 | 7.21 | 7.01 | 3.93 | 3.31 | 1.71 |
| 1.60                    | 128.9 | 83.6 | 67.8  | 41.6 | 24.3 | 12.71 | 8.90 | 7.22 | 7.06 | 3.97 | 3.35 | 1.78 |

## Constant current discharge - Amperes@77 F(25°C)

| End voltage<br>Per Cell | Min   |       |       |       |       | Hour |      |      |      |      |      |      |
|-------------------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
|                         | 5     | 10    | 15    | 30    | 60    | 2    | 3    | 4    | 5    | 8    | 10   | 20   |
| 1.85                    | 45.09 | 34.76 | 28.14 | 18.19 | 10.81 | 5.97 | 4.28 | 3.59 | 3.02 | 2.02 | 1.67 | 0.85 |
| 1.80                    | 51.30 | 37.60 | 29.94 | 18.67 | 10.97 | 6.06 | 4.32 | 3.61 | 3.04 | 2.03 | 1.69 | 0.87 |
| 1.75                    | 57.56 | 40.42 | 31.76 | 19.16 | 11.15 | 6.17 | 4.35 | 3.63 | 3.06 | 2.03 | 1.72 | 0.91 |
| 1.70                    | 63.83 | 43.26 | 33.58 | 19.63 | 11.33 | 6.25 | 4.37 | 3.64 | 3.08 | 2.04 | 1.74 | 0.95 |

|                      |                           |
|----------------------|---------------------------|
| Ordering information |                           |
| Model.               | S-Gel Bat 17AH/12V        |
| Part No.             | 620306                    |
| Warranty             | 1 year from Delivery date |
| Packing unit.        | 1 pc(s).                  |

## Contact us

You can find the address of your local sales organisation on the home page



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