

6-GFMJ-230

GFM Series VRLA Gel Battery

ALLGRAND®

Power the World



Applications

- ▣ Data/Computing Center, UPS, EPS
- ▣ Signaling Systems of Railway, Airport, and etc.
- ▣ Medical Equipment, Emergency Lights
- ▣ Beacon, Vessel
- ▣ Security, Automatic Control, Electronics

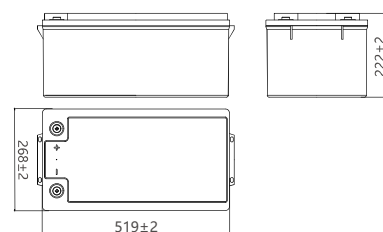
Highlights

- ▣ Long life design(up to 15 years)
- ▣ Reliably sealed
- ▣ High specific energy, low IR & self discharge
- ▣ Higher reaction efficiency and conformity

Features

- ▣ Float charging life prolonged by our proprietary corrosion resistant alloy;
- ▣ High-purity electrolytes and special agents reduce water loss;
- ▣ Impacts from earthquakes are reduced by compact seismic ABS jars and covers;
- ▣ Delicate seal technologies protect the battery from electrolyte leakage and creepage;
- ▣ The delicate construction of self-relief valves can avoid bulges and cracks.

Dimensions



Certifications



Specifications

| Model | 6-GFMJ-230 | |
|---------------------|----------------------------------------------------------------|------------------------------------|
| Design Life | 15 years | |
| Nominal Capacity | 10HR(23A,1.80V) | 230Ah |
| | 3HR(57.5A,1.80V) | 172.5Ah |
| | 1HR(115A,1.80V) | 115Ah |
| Internal Resistance | 3.2mΩ(Full Charge) | |
| Self Discharge | ≤3% per month | |
| Charge Voltage | Cycle Use | Standby Use |
| | 2.33-2.37V/Cell (-4mV/°C/Cell) Max. Charge Current:34.5A | 2.21-2.25V/Cell (-3mV/°C/Cell)) |

Note: Data contained herein are measured at 25°C

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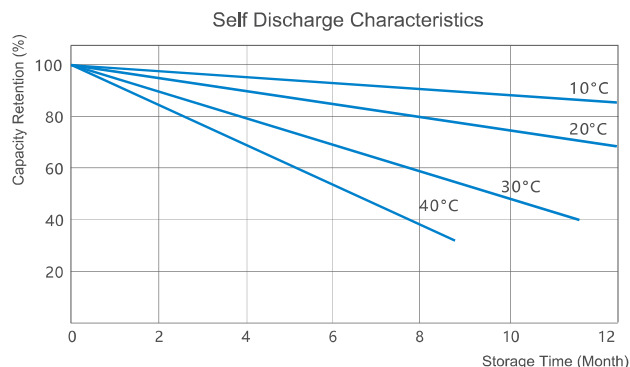
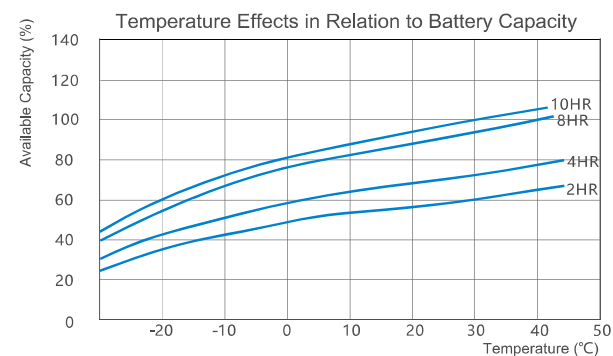
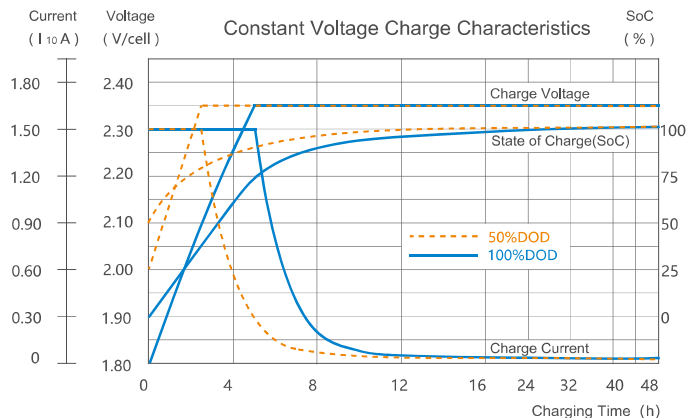
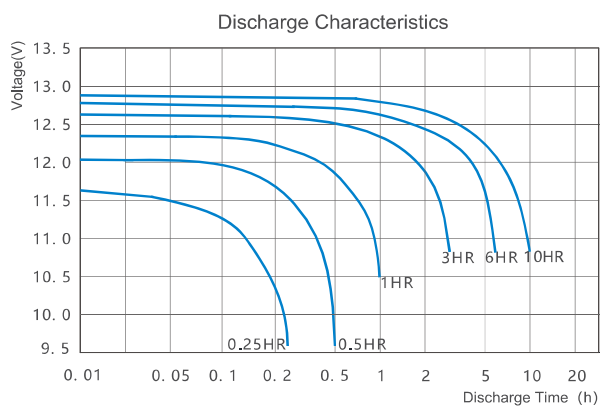
Constant Current Discharge Rate (A, 25°C)

| Model | F.V. (V/Cell) | Minute | | | | | | Hour | | | | | | | | | |
|------------|---------------|--------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|--|
| | | 5 | 10 | 15 | 20 | 30 | 45 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 20 | |
| 6-GFMJ-230 | 1.85 | 396 | 346 | 295 | 248 | 189 | 146 | 125 | 80.4 | 58.8 | 46.3 | 38.9 | 34.3 | 27.7 | 22.8 | 12.1 | |
| | 1.80 | 462 | 379 | 323 | 274 | 201 | 152 | 129 | 83.5 | 61.0 | 47.6 | 39.9 | 35.1 | 28.2 | 23.3 | 12.3 | |
| | 1.75 | 493 | 402 | 338 | 288 | 211 | 159 | 134 | 86.1 | 62.4 | 48.7 | 40.7 | 35.8 | 28.9 | 23.7 | 12.4 | |
| | 1.70 | 531 | 425 | 356 | 303 | 221 | 166 | 138 | 88.3 | 63.7 | 49.6 | 41.4 | 36.4 | 29.3 | 23.9 | 12.5 | |
| | 1.67 | 554 | 442 | 370 | 315 | 228 | 170 | 142 | 90.1 | 64.9 | 50.5 | 42.0 | 36.9 | 29.5 | 24.0 | 12.6 | |
| | 1.60 | 594 | 466 | 386 | 327 | 235 | 175 | 144 | 91.7 | 65.9 | 51.2 | 42.7 | 37.3 | 29.7 | 24.2 | 12.8 | |

Constant Power Discharge Rate (Watt/Cell, 25°C)

| Model | F.V. (V/Cell) | Minute | | | | | | Hour | | | | | | | | | |
|------------|---------------|--------|-----|-----|-----|-----|-----|------|-----|-----|------|------|------|------|------|------|--|
| | | 5 | 10 | 15 | 20 | 30 | 45 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 20 | |
| 6-GFMJ-230 | 1.85 | 619 | 554 | 492 | 436 | 356 | 244 | 211 | 135 | 104 | 81.6 | 69.1 | 61.1 | 49.5 | 40.3 | 21.2 | |
| | 1.80 | 718 | 612 | 538 | 476 | 376 | 255 | 216 | 139 | 107 | 83.9 | 70.8 | 62.4 | 50.5 | 40.9 | 21.5 | |
| | 1.75 | 768 | 670 | 569 | 498 | 392 | 265 | 223 | 143 | 109 | 85.6 | 72.1 | 63.3 | 51.3 | 41.6 | 21.8 | |
| | 1.70 | 810 | 702 | 598 | 517 | 408 | 273 | 229 | 145 | 111 | 87.1 | 73.3 | 64.2 | 51.7 | 42.2 | 22.3 | |
| | 1.67 | 830 | 713 | 615 | 526 | 420 | 281 | 234 | 148 | 113 | 87.8 | 73.9 | 65.0 | 51.8 | 42.8 | 22.5 | |
| | 1.60 | 872 | 739 | 639 | 543 | 430 | 287 | 238 | 150 | 115 | 88.3 | 74.2 | 66.1 | 51.9 | 43.6 | 23.0 | |

Performance



Disclaimer: All data presented above are subject to change without further notice. Please contact ALLGRAND for latest updates.