

12V260Ah @ 10HR

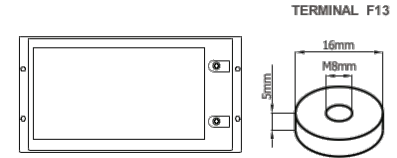
Rekoser Gel Deep Cycle Batteries

Rekoser Gel battery. RKG Series provides superior performance in both high cycling and floating applications. By combining the newly developed Nano Gel electrolyte with high density paste, the RKG series offers high recharge efficiency at very low charge current. The acid stratification is highly reduced by adding Nano Gel. It is suitable for off-grid photovoltaic, wind or hydro power application.



Complied standards

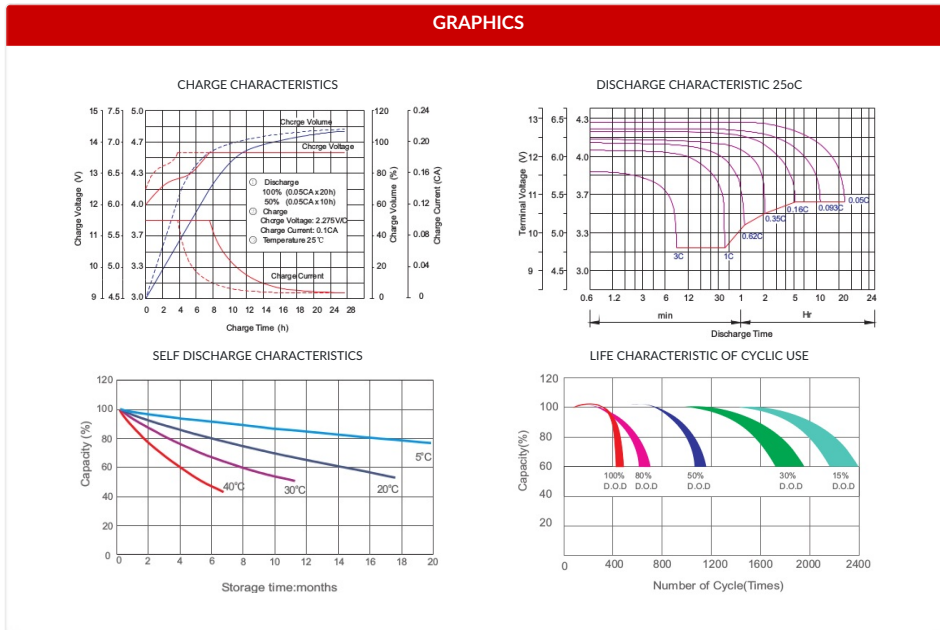
- IEC 60896-21/22
- JIS C8704
- GB/T19639



| SPECIFICATIONS | | | | |
|----------------------------------|---|-------------|------------------------------|-------------|
| Nominal Voltage | 12V | | | |
| Capacity (25°C) | 260Ah @ 10HR 272Ah @ 20HR | | | |
| Internal Resistance | Fully Charged 25 m Ω | | | |
| Self Discharge | 3% of capacity declined per month at 20°C | | | |
| Cell number | 6 cells | | | |
| Capacity Affected by Temperature | 102% (40°C) | 100% (25°C) | 85% (0°C) | 65% (-15°C) |
| Charge Voltage (25°C) | Cycle - 14.6-14.8V (-30mV/C), max. Current 2.1A | | Float - 13.6-13.8V (-20mV/C) | |
| Max. Charge Current | 65A | | | |
| Max. Discharge Current | 1000A | | | |

| DIMENSIONS AND WEIGHT | |
|-----------------------|-----------------|
| Dimensions (mm) | 520x269x220(22) |
| Weight (kgs) | 72 |

| CONSTRUCTION | |
|--------------|--------------------------------|
| Component | Raw Material |
| Positive | Lead dioxide |
| Negative | Lead |
| Container | ABS (Flame Retardant Optional) |
| Cover | ABS (Flame Retardant Optional) |
| Sealant | Epoxy Resin |
| Safety Valve | Rubber |
| Terminal | Copper |
| Separator | Fibre Glass |
| Electrolyte | Sulphuric acid |



CONSTANT DISCHARGE RATINGS (A, W) AT 25°C

| F.V / Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 10HR | 20HR | | | | | | | | | |
|------------|------|-------|-------|-------|------|------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|
| 11.10 V | 388A | 732W | 352A | 669W | 324A | 619W | 230A | 442W | 150A | 291W | 67.2A | 132W | 45.0A | 89.1W | 25.3A | 50.6W | 13.3A | 26.8W |
| 10.80 V | 454A | 840W | 391A | 733W | 355A | 672W | 244A | 464W | 157A | 301W | 69.4A | 135W | 46.1A | 90.6W | 26.0A | 51.7W | 13.6A | 27.3W |
| 10.50 V | 513A | 938W | 430A | 798W | 381A | 714W | 255A | 481W | 162A | 309W | 70.8A | 136W | 47.3A | 92.0W | 26.5A | 52.3W | 13.9A | 27.6W |
| 10.20 V | 590A | 1065W | 463A | 849W | 410A | 761W | 264A | 494W | 165A | 312W | 71.9A | 137W | 47.9A | 92.4W | 26.9A | 52.6W | 14.2A | 27.9W |
| 10.02 V | 661A | 1179W | 509A | 925W | 434A | 798W | 274A | 509W | 169A | 318W | 72.8A | 138W | 48.3A | 92.6W | 27.2A | 52.9W | 14.5A | 28.4W |
| 9.60 V | 741A | 1305W | 553A | 993W | 461A | 841W | 287A | 530W | 174A | 324W | 73.7A | 139W | 48.9A | 93.1W | 27.6A | 53.2W | 14.8A | 28.8W |