

12V55Ah @ 10HR

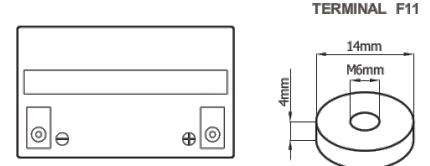
Rekoser Gel Deep Cycle Batteries

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

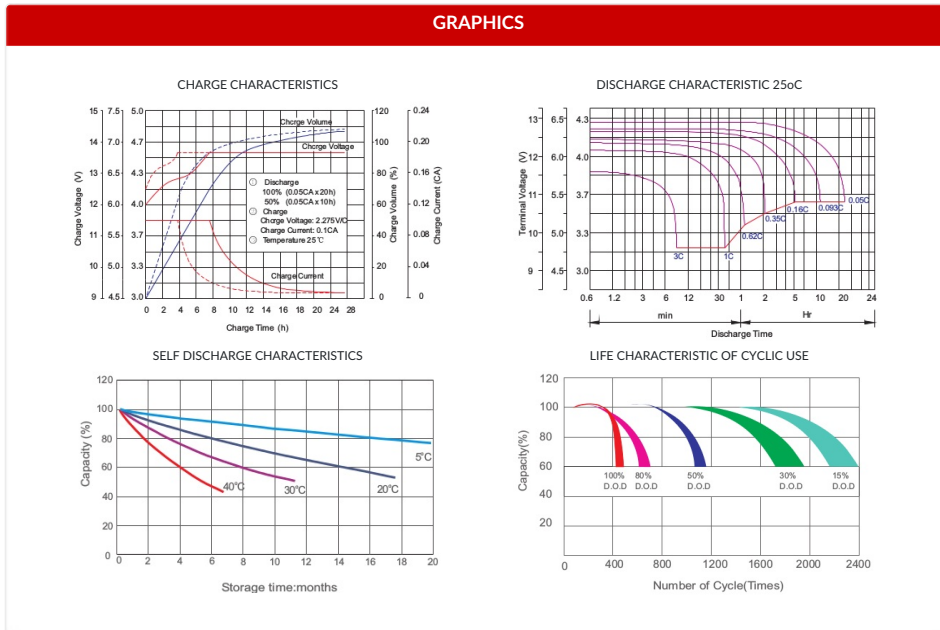
- IEC 60896-21/22
- JIS C8704
- GB/T19639



| SPECIFICATIONS | | | | |
|----------------------------------|---|-------------|------------------------------|-------------|
| Nominal Voltage | 12V | | | |
| Capacity (25°C) | 55Ah @ 10HR | | | |
| 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 | 13.75A | | | |
| Max. Discharge Current | 500A | | | |

| DIMENSIONS AND WEIGHT | |
|-----------------------|------------------|
| Dimensions (mm) | 229x138x208(212) |
| Weight (kgs) | 17.0 |

| 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 | 86.5A 163W | 77.5A 147W | 70.6A 135W | 49.6A 95.5W | 32.0A 62.2W | 14.2A 27.9W | 9.53A 18.8W | 5.36A 10.7W | 2.82A 5.67W |
| 10.80 V | 101A 187W | 86.1A 162W | 77.5A 147W | 52.6A 100W | 33.5A 64.3W | 14.7A 28.6W | 9.76A 19.2W | 5.5A 10.9W | 2.89A 5.77W |
| 10.50 V | 114A 209W | 94.7A 176W | 83.1A 156W | 55.0A 104W | 34.6A 65.9W | 15.0A 28.9W | 10.0A 19.4W | 5.61A 11.0W | 2.94A 5.83W |
| 10.20 V | 131A 237W | 102A 187W | 89.5A 166W | 57.0A 107W | 35.4A 66.8W | 15.2A 29.1W | 10.1A 19.5W | 5.69A 11.1W | 3.0A 5.91W |
| 10.02 V | 147A 263W | 112A 204W | 94.7A 174W | 59.2A 110W | 36.2A 67.9W | 15.4A 29.3W | 10.2A 19.6W | 5.76A 11.2W | 3.07A 6.0W |
| 9.60 V | 165A 291W | 122A 219W | 101A 183W | 61.9A 114W | 37.2A 69.3W | 15.6A 29.4W | 10.4A 19.7W | 5.83A 11.3W | 3.14A 6.1W |