

## 12V80Ah @ 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.

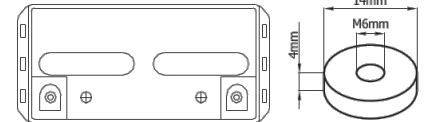


**Complied standards**

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



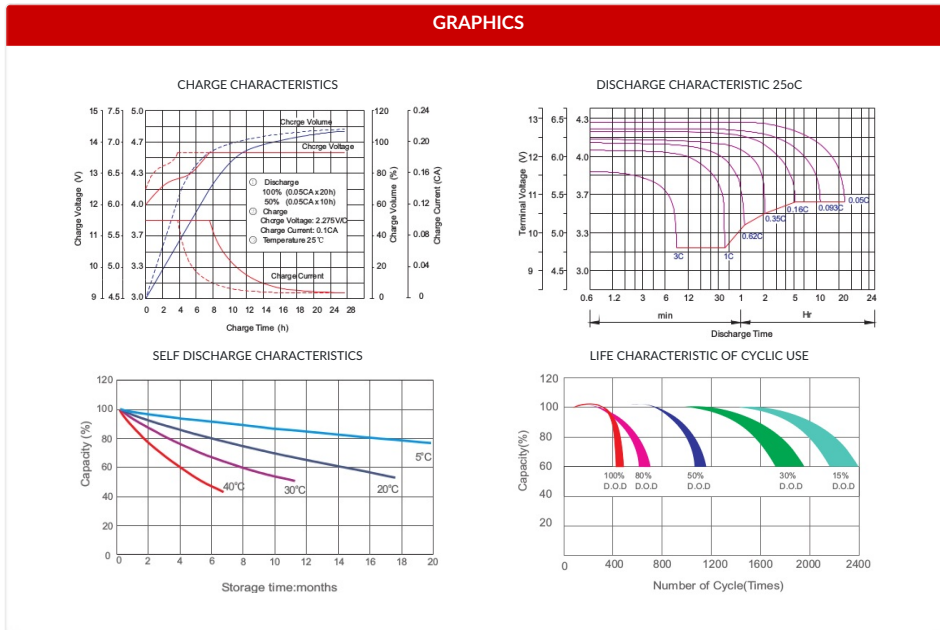
TERMINAL F11



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	80Ah @ 10HR	84Ah @ 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	24A			
Max. Discharge Current	720A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	350x167x179(179)
Weight (kgs)	23.0

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	126A 237W	113A 214W	103A 196W	72.2A 139W	46.6A 90.4W	20.7A 40.6W	13.9A 27.4W	7.79A 15.6W	4.1A 8.24W
10.80 V	147A 272W	125A 235W	113A 213W	76.5A 146W	48.7A 93.6W	21.4A 41.6W	14.2A 27.9W	8.0A 15.9W	4.2A 8.39W
10.50 V	166A 304W	138A 256W	121A 227W	80.0A 151W	50.4A 95.9W	21.8A 42.0W	14.5A 28.3W	8.16A 16.1W	4.28A 8.49W
10.20 V	191A 345W	148A 272W	130A 241W	82.9A 155W	51.4A 97.1W	22.1A 42.4W	14.7A 28.4W	8.27A 16.2W	4.36A 8.6W
10.02 V	214A 382W	163A 296W	138A 253W	86.1A 160W	52.7A 98.7W	22.4A 42.6W	14.8A 28.5W	8.38A 16.3W	4.46A 8.72W
9.60 V	240A 423W	177A 318W	146A 267W	90.1A 166W	54.0A 101W	22.7A 42.8W	15.1A 28.7W	8.48A 16.4W	4.57A 8.87W