

## 6V180Ah @ 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.

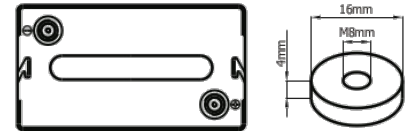


#### Complied standards

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



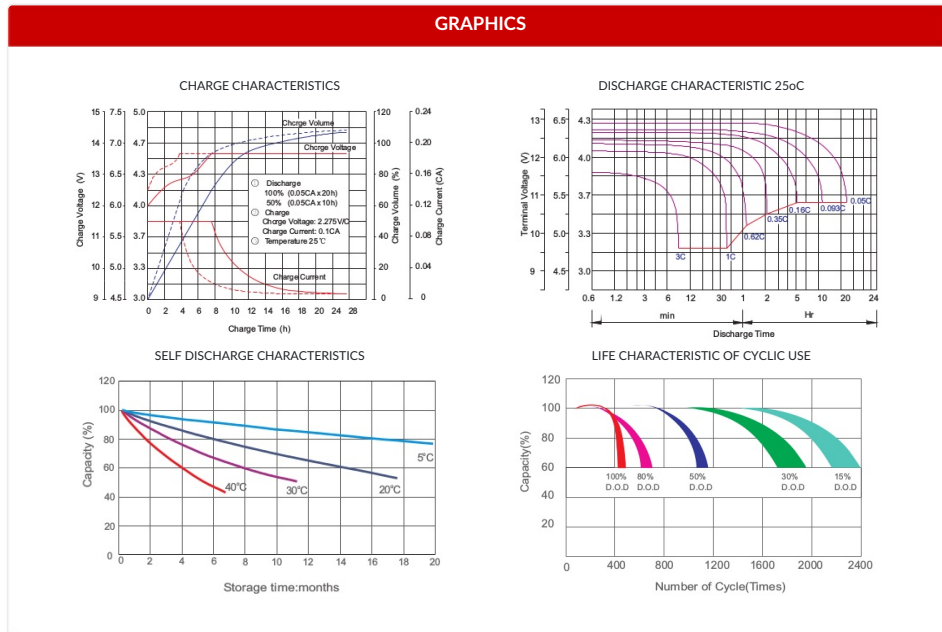
TERMINAL F13



SPECIFICATIONS				
Nominal Voltage	6V			
Capacity (25°C)	180Ah @ 10HR	189Ah @ 20HR		
Internal Resistance	Approx. 0.0032 Ohm (fully charged @ 20°C)			
Self Discharge	Approx. 3% per month @ 20°C			
Cell number	3 cells			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 7.2-7.4V (-3mV/C)		Float - 6.8-6.9V (-2mV/C)	
Max. Charge Current	45A			
Max. Discharge Current	1000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	306x168x226(226)
Weight (kgs)	27.5

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
5.55 V	283A 533W	254A 482W	231A 442W	162A 313W	105A 203W	46.5A 91.3W	31.2A 61.7W	17.5A 35.0W	9.23A 18.5W
5.40 V	331A 612W	282A 529W	254A 480W	172A 328W	110A 211W	48.1A 93.6W	31.9A 62.7W	18.0A 35.8W	9.45A 18.9W
5.25 V	374A 684W	310A 575W	272A 510W	180A 340W	113A 216W	49.0A 94.6W	32.7A 63.7W	18.4A 36.2W	9.63A 19.1W
5.10 V	430A 776W	334A 612W	293A 543W	186A 349W	116A 219W	49.8A 95.3W	33.1A 64.0W	18.6A 36.4W	9.82A 19.3W
5.01 V	482A 859W	367A 667W	310A 570W	194A 360W	118A 222W	50.4A 95.8W	33.4A 64.1W	18.8A 36.6W	10.0A 19.6W
4.80 V	540A 951W	398A 716W	329A 600W	203A 375W	122A 227W	51.0A 96.3W	33.9A 64.5W	19.1A 36.9W	10.3A 19.9W