

## 12V180Ah @ 10HR

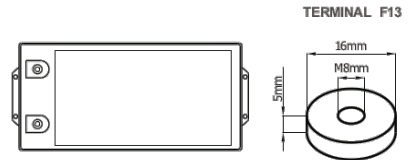
### Rekoser Gel Deep Cycle Batteries

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

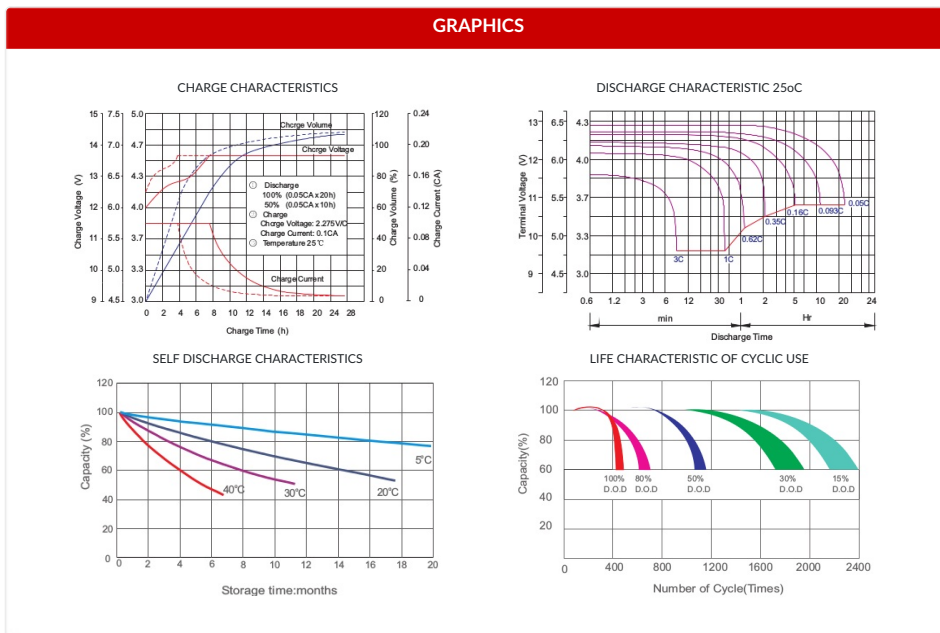
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	180Ah @ 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	25A			
Max. Discharge Current	800A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	530x207x218(222)
Weight (kgs)	53

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	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
10.80 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
10.50 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
10.20 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
10.02 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
9.60 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