

12V180Ah @ 10HR

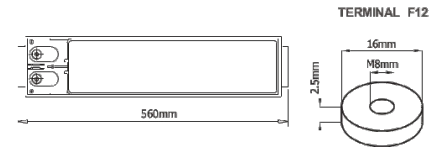
Rekoser Gel Deep Cycle Batteries

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

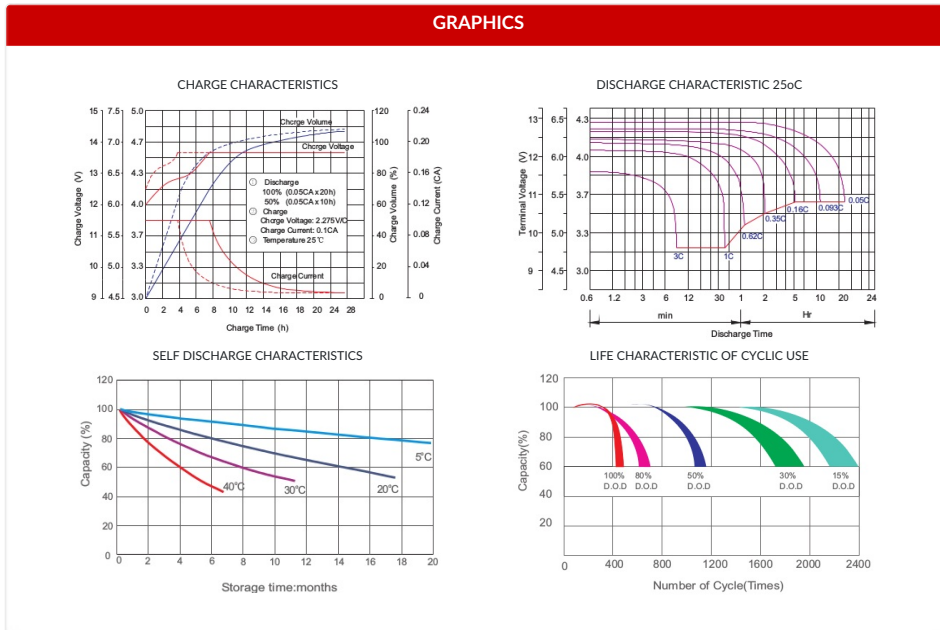
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	180Ah @ 10HR 190.8Ah @ 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	45A			
Max. Discharge Current	1000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	560x126x316(316)
Weight (kgs)	56.0

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	255A	480W	217A	412W	206A	393W	147A	284W	94.4A	183W	44.4A	87.2W	29.2A	57.7W	17.4A	34.7W	9.0A	18.1W
10.80 V	298A	551W	241A	452W	226A	427W	156A	298W	97.2A	187W	46.6A	90.7W	30.6A	60.1W	18.0A	35.8W	9.54A	19.1W
10.50 V	336A	615W	265A	492W	242A	453W	164A	309W	102A	194W	47.5A	91.7W	31.0A	60.3W	18.4A	36.2W	9.59A	19.0W
10.20 V	387A	699W	285A	523W	260A	483W	169A	317W	104A	197W	48.3A	92.3W	31.4A	60.6W	18.6A	36.4W	9.72A	19.2W
10.02 V	434A	773W	314A	570W	276A	507W	176A	327W	107A	200W	48.8A	92.8W	31.5A	60.3W	18.8A	36.6W	9.81A	19.2W
9.60 V	486A	856W	341A	612W	293A	534W	184A	340W	109A	204W	49.4A	93.3W	32.0A	61.0W	19.1A	36.9W	9.9A	19.2W