

12V250Ah @ 10HR

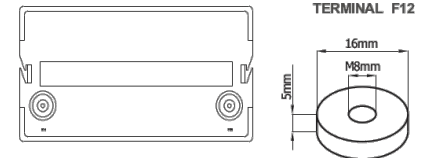
Rekoser Gel Deep Cycle Batteries

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

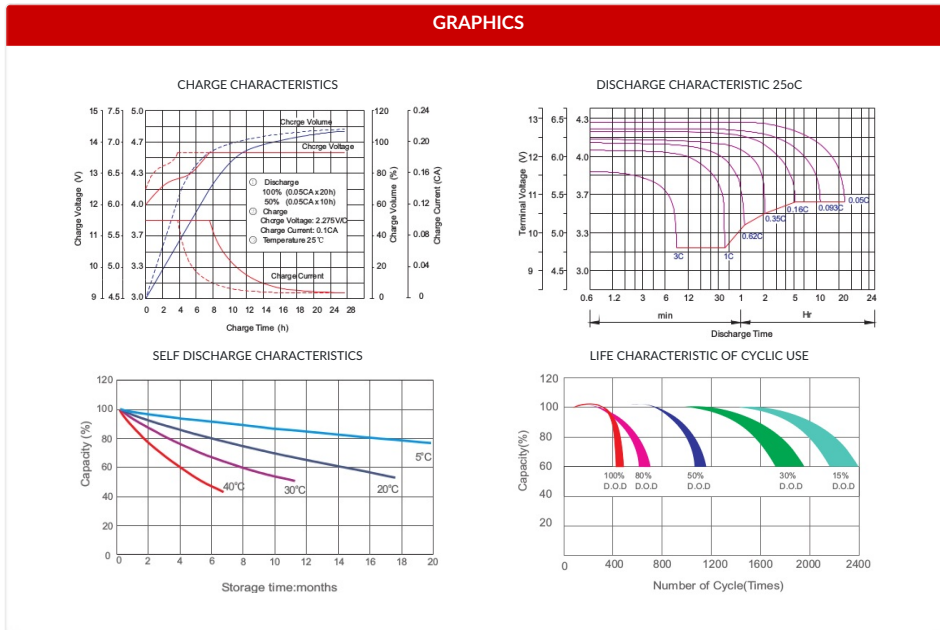
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	250Ah @ 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	62.5A			
Max. Discharge Current	1000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	520x269x220(220)
Weight (kgs)	71

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	373A 703W	338A 643W	311A 595W	144A 425W	144A 280W	64.6A 127W	43.3A 85.7W	24.4A 48.7W	12.8A 25.8W
10.80 V	436A 808W	376A 705W	342A 646W	151A 446W	151A 289W	66.8A 130W	44.4A 87.1W	25.0A 49.7W	13.1A 26.2W
10.50 V	493A 902W	413A 767W	366A 687W	156A 463W	156A 297W	68.1A 131W	45.4A 88.5W	25.5A 50.3W	13.4A 26.5W
10.20 V	567A 1024W	445A 816W	395A 732W	159A 475W	159A 300W	69.2A 132W	46.0A 88.9W	25.9A 50.6W	13.6A 26.9W
10.02 V	636A 1134W	490A 889W	418A 767W	264A 490W	163A 305W	70.0A 133W	46.4A 89.1W	26.2A 50.9W	14.0A 27.3W
9.60 V	713A 1255W	531A 955W	443A 809W	276A 510W	167A 312W	70.8A 134W	47.1A 89.6W	26.5A 51.2W	14.3A 27.7W