

12V135Ah @ 10HR

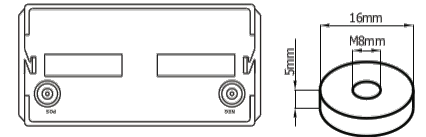
Rekoser Gel Deep Cycle Batteries

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

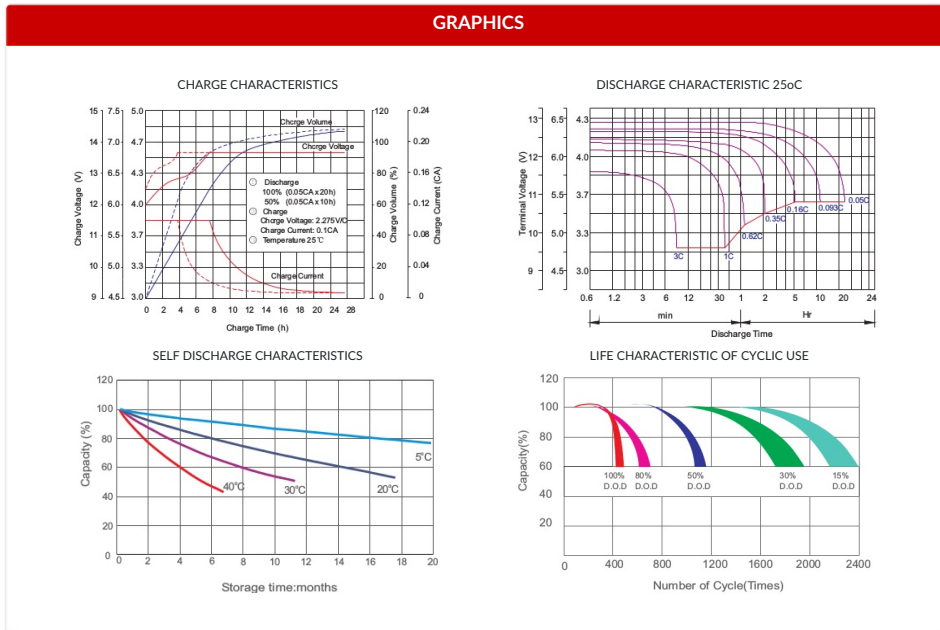
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	135Ah @ 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	33.5A			
Max. Discharge Current	1000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	342x172x273(277)
Weight (kgs)	42.0

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	212A	400W	190A	362W	173A	331W	122A	234W	78.7A	153W	34.9A	69.5W	23.4A	46.3W	13.1A	26.3W	6.92A	13.9W
10.80 V	248A	459W	211A	397W	190A	360W	129A	246W	82.2A	158W	36.1A	70.2W	23.9A	47.0W	13.5A	26.8W	7.08A	14.2W
10.50 V	280A	513W	232A	432W	204A	382W	135A	255W	85.0A	162W	36.8A	71.0W	24.5A	47.8W	13.8A	27.1W	7.22A	14.3W
10.20 V	323A	582W	250A	459W	220A	407W	140A	262W	86.8A	164W	37.4A	71.5W	24.9A	48.0W	14.0A	27.3W	7.36A	14.5W
10.02 V	361A	645W	275A	500W	232A	427W	145A	270W	88.9A	167W	37.8A	71.8W	25.1A	48.1W	14.1A	27.5W	7.53A	14.7W
9.60 V	405A	713W	299A	537W	247A	450W	152A	281W	91.2A	170W	38.3A	72.2W	25.4A	48.4W	14.3A	27.6W	7.71A	15.0W