

12V100Ah @ 10HR

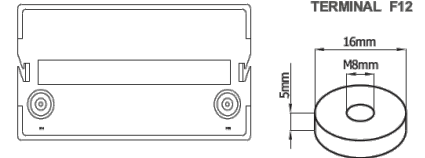
Rekoser Gel Deep Cycle Batteries

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

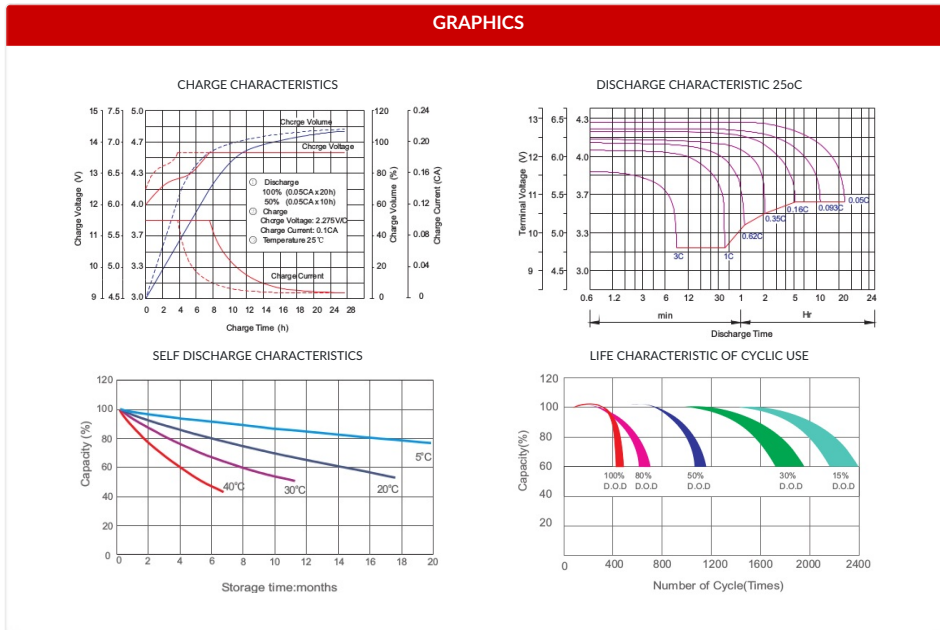
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	100Ah @ 10HR	105Ah @ 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	25A			
Max. Discharge Current	800A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	328x171x214(220)
Weight (kgs)	30.0

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	157A	296W	141A	268W	128A	245W	90.2A	174W	58.3A	113W	25.8A	50.7W	17.3A	34.3W	9.74A	19.5W	5.13A	10.3W
10.80 V	184A	340W	157A	294W	141A	267W	95.6A	182W	60.9A	117W	26.7A	52.0W	17.7A	34.8W	10.0A	19.9W	5.25A	10.5W
10.50 V	208A	380W	172A	320W	151A	283W	100A	189W	63.0A	120W	27.2A	52.6W	18.2A	35.4W	10.2A	20.1W	5.35A	10.6W
10.20 V	239A	431W	185A	340W	163A	302W	104A	194W	64.3A	121W	27.7A	52.9W	18.4A	35.5W	10.3A	20.2W	5.45A	10.7W
10.02 V	268A	477W	204A	370W	172A	316W	108A	200W	65.8A	123W	28.0A	53.2W	18.6A	35.6W	10.5A	20.3W	5.58A	10.9W
9.60 V	300A	528W	221A	398W	183A	333W	113A	208W	67.6A	126W	28.3A	53.5W	18.8A	35.8W	10.6A	20.5W	5.71A	11.1W