

2V400Ah @ 10HR

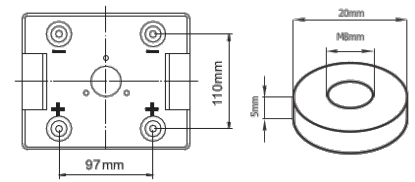
Rekoser Gel Deep Cycle Batteries

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.



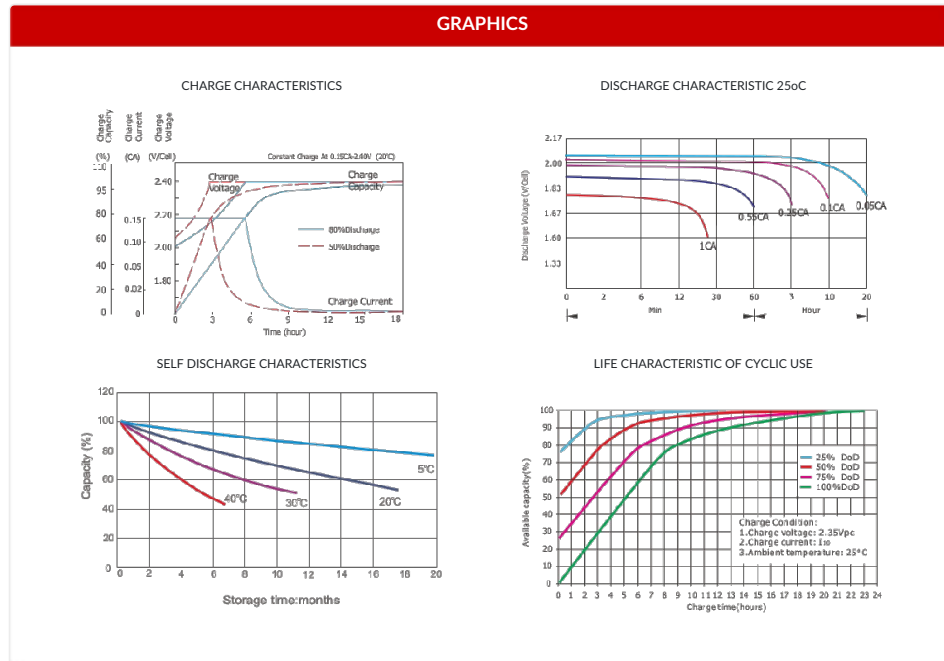
Complied standards

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



SPECIFICATIONS				
Nominal Voltage	2V			
Capacity (25°C)	400Ah @ 10HR 420Ah @ 20HR			
Internal Resistance	Fully Charged 25 mΩ			
Self Discharge	3% of capacity declined per month at 20°C			
Cell number	1 cells			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 2.35-2.40V (-5mV/C)		Float - 2.25-2.29V (-3mV/C)	
Max. Charge Current	80A			
Max. Discharge Current	2000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	210x176x330(367)
Weight (kgs)	25.5



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	30MIN		1HR		3HR		5HR		10HR		20HR	
1.80 V	321A	601W	219A	416W	98.9A	194W	69.1A	136W	40.0A	79.6W	21.0A	42.0W
1.75 V	334A	624W	226A	429W	102A	200W	71.2A	140W	40.3A	80.2W	21.1A	42.3W
1.70 V	342A	640W	230A	438W	103A	201W	71.7A	141W	40.5A	80.6W	21.3A	42.5W
1.65 V	353A	660W	236A	449W	103A	203W	72.2A	142W	40.6A	80.9W	21.3A	42.7W
1.60 V	360A	673W	240A	456W	104A	204W	72.6A	143W	40.7A	81.0W	21.4A	42.8W