

12V120Ah @ 10HR

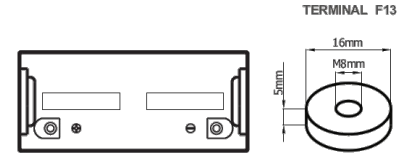
Rekoser Gel Deep Cycle Batteries

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

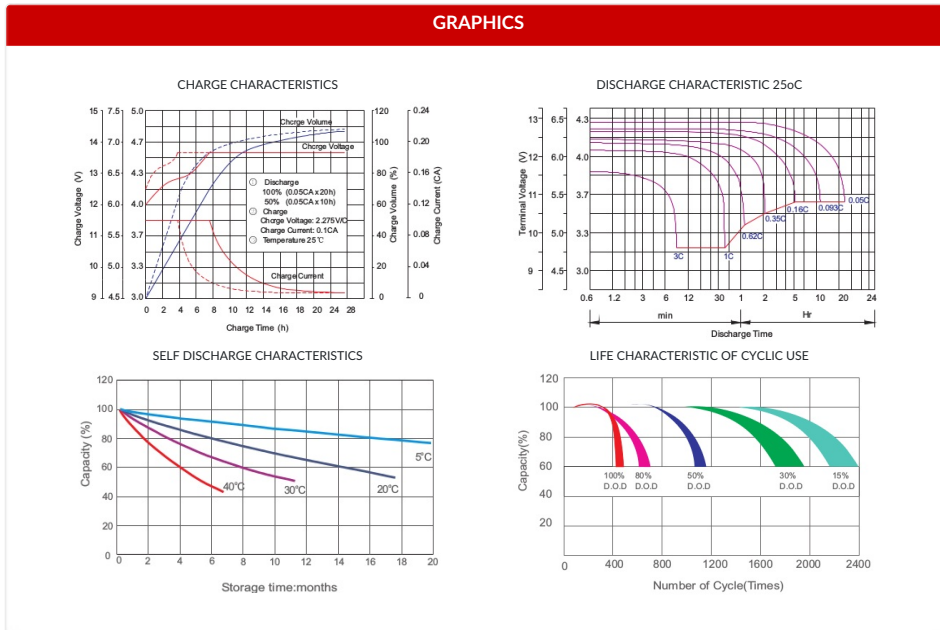
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	120Ah @ 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	30A			
Max. Discharge Current	960A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	410x176x227(227)
Weight (kgs)	34.0

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	189A	355W	169A	321W	154A	294W	108A	208W	69.9A	136W	31.0A	60.9W	20.8A	41.1W	11.7A	23.4W	6.15A	12.4W
10.80 V	220A	408W	188A	353W	169A	320W	115A	219W	73.1A	140W	32.0A	62.4W	21.3A	41.8W	12.0A	23.8W	6.3A	12.6W
10.50 V	249A	456W	207A	384W	181A	340W	120A	227W	75.6A	144W	32.7A	63.1W	21.8A	42.5W	12.2A	24.1W	6.42A	12.7W
10.20 V	287A	518W	222A	408W	195A	362W	124A	233W	77.1A	146W	33.2A	63.5W	22.1A	42.7W	12.4A	24.3W	6.54A	12.9W
10.02 V	321A	573W	245A	445W	207A	380W	129A	240W	79.0A	148W	33.6A	63.8W	22.3A	42.8W	12.6A	24.4W	6.7A	13.1W
9.60 V	360A	634W	266A	477W	219A	400W	135A	250W	81.1A	151W	34.0A	64.2W	22.6A	43.0W	12.7A	24.6W	6.85A	13.3W