

12V40Ah @ 10HR

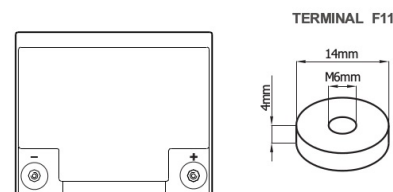
Rekoser Gel Deep Cycle Batteries

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

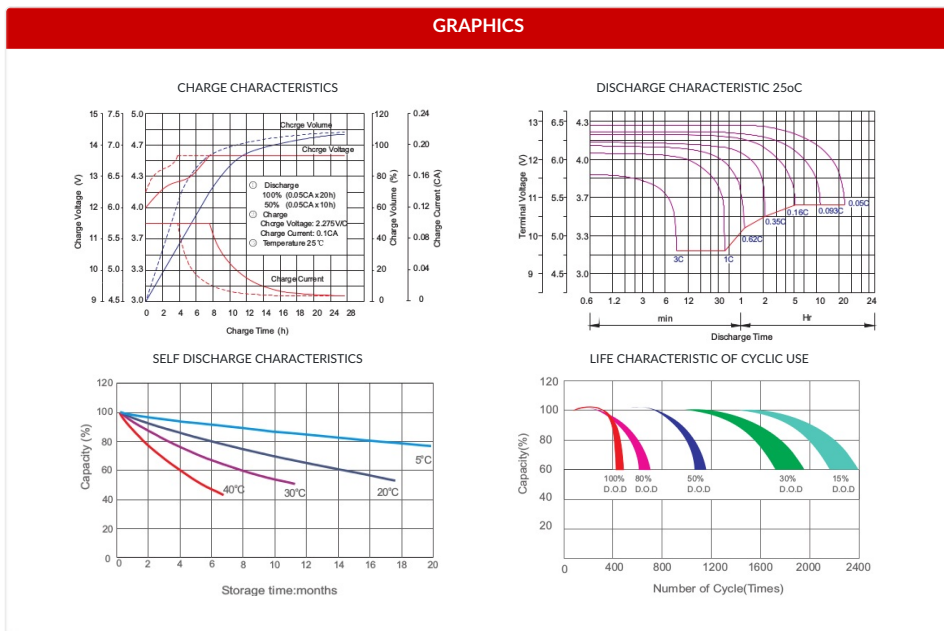
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	40Ah @ 10HR	42Ah @ 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	10A			
Max. Discharge Current	400A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	197x165x170(170)
Weight (kgs)	13

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	62.9A 118W	56.4A 107W	51.4A 98.1W	36.1A 69.5W	23.3A 45.2W	10.3A 20.3W	6.93A 13.7W	3.9A 7.79W	2.05A 4.12W
10.80 V	73.5A 136W	62.6A 118W	56.4A 107W	38.2A 72.9W	24.4A 46.8W	10.7A 20.8W	7.1A 13.9W	4.0A 7.95W	2.1A 4.19W
10.50 V	83.1A 152W	68.9A 128W	60.4A 113W	40.0A 75.5W	25.2A 47.9W	10.9A 21.0W	7.27A 14.2W	4.08A 8.04W	2.14A 4.24W
10.20 V	95.6A 173W	74.1A 136W	65.1A 121W	41.4A 77.6W	25.7A 48.6W	11.1A 21.2W	7.37A 14.2W	4.14A 8.09W	2.18A 4.3W
10.02 V	107A 191W	81.6A 148W	68.9A 127W	43.0A 80.0W	26.3A 49.4W	11.2A 21.3W	7.42A 14.3W	4.19A 8.14W	2.23A 4.36W
9.60 V	120A 211W	88.5A 159W	73.1A 133W	45.0A 83.2W	27.0A 50.4W	11.3A 21.4W	7.53A 14.3W	4.24A 8.19W	2.28A 4.43W