

12V90Ah @ 10HR

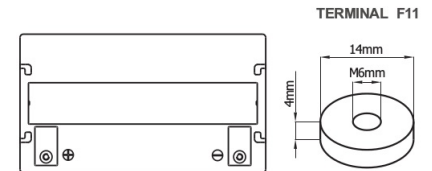
Rekoser Gel Deep Cycle Batteries

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

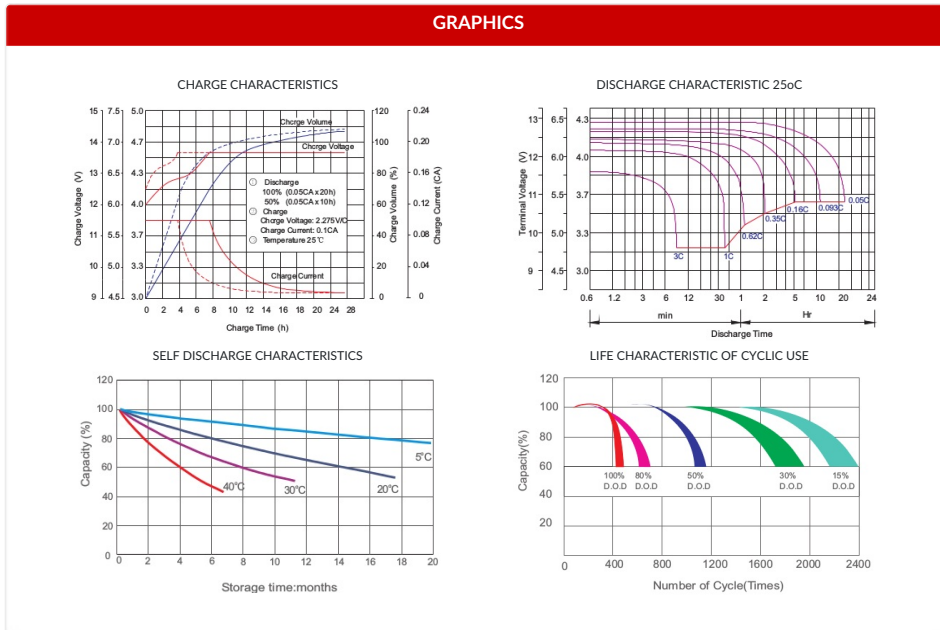
- IEC 60896-21/22
- JIS C8704
- GB/T19639



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	90Ah @ 10HR	94.4Ah @ 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	22.5A			
Max. Discharge Current	720A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	306x169x208(212)
Weight (kgs)	26.5

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	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	142A 267W	127A 241W	116A 221W	81.2A 156W	52.4A 102W	23.3A 45.7W	15.6A 30.8W	8.77A 17.5W	4.61A 9.27W
10.80 V	165A 306W	141A 264W	127A 240W	86.0A 164W	54.8A 105W	24.0A 46.8W	16.0A 31.3W	9.0A 17.9W	4.72A 9.43W
10.50 V	187A 342W	155A 288W	136A 255W	90.0A 170W	56.7A 108W	24.5A 47.3W	16.4A 31.8W	9.18A 18.1W	4.82A 9.55W
10.20 V	215A 388W	167A 306W	146A 272W	93.2A 175W	57.9A 109W	24.9A 47.7W	16.6A 32.0W	9.31A 18.2W	4.91A 9.67W
10.02 V	241A 430W	184A 333W	155A 285W	96.8A 180W	59.2A 111W	25.2A 47.9W	16.7A 32.1W	9.42A 18.3W	5.02A 9.82W
9.60 V	270A 475W	199A 358W	165A 300W	101A 187W	60.8A 113W	25.5A 48.1W	16.9A 32.2W	9.55A 18.4W	5.14A 10.0W