

2V800Ah @ 10HR

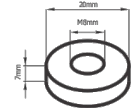
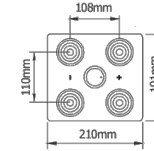
Rekoser OPzV Battery

Rekoser OPzV battery. The RKV series adopts an Immobilized Gel and Tubular Positive Plate technology. It offers high reliability and stable performance. By using die-casted positive grid and patented active material formula, it exceeds the DIN standard values and offer 20+ years design life in float service. It is very suitable for cyclic use under extreme operating conditions. This series is recommended for telecom outdoor applications, renewable energy systems and other harsh environment applications.



Complied standards

- IEC 60896-11
- DIN40736
- IEC61427
- Eurobat guide, long lif
- BS6290 part 4



SPECIFICATIONS

Nominal Voltage	2V			
Capacity (25°C)	800Ah @ 10HR			
Internal Resistance	Approx. 0.31mOhm (fully charged @ 20°C)			
Self Discharge	Approx. 2% per month @ 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/cell)		Float - 2.25-2.29V (-3mV/°C/cell)	
Max. Charge Current	160A			
Max. Discharge Current	2000A			

DIMENSIONS AND WEIGHT

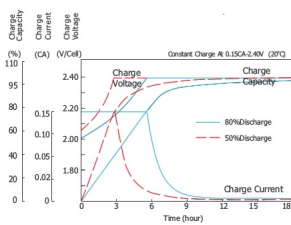
Dimensions (mm)	191x210x646(681)
Weight (kgs)	58.5

CONSTRUCTION

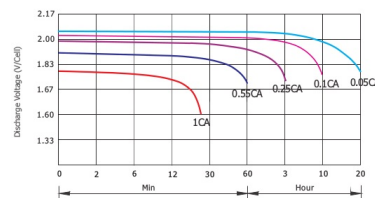
Component	Raw Material
Positive	Lead dioxide
Negative	Lead
Container	ABS(UL94-V0 optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Safety Valve	Rubber
Terminal	Copper
Separator	Fibre Glass
Electrolyte	Immobilized Gel

GRAPHICS

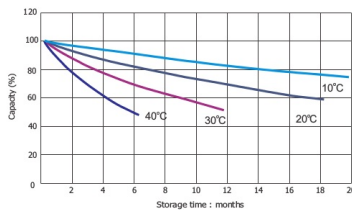
CHARGE CHARACTERISTICS



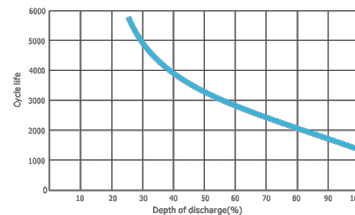
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



CONSTANT DISCHARGE RATINGS (A, W) AT 25°C

F.V / Time	10MIN		15MIN		30MIN		1HR		3HR		5HR		10HR	
1.90 V	289A	558W	281A	544W	263A	511W	221A	433W	158A	314W	117A	234W	69A	139W
1.85 V	453A	846W	415A	779W	357A	675W	281A	537W	187A	364W	135A	265W	75.8A	151W
1.80 V	591A	1075W	536A	980W	432A	797W	341A	637W	207A	395W	141A	271W	80.0A	154W
1.75 V	626A	1122W	588A	1059W	507A	922W	372A	684W	213A	400W	143A	272W	81.2A	156W
1.70 V	682A	1204W	646A	1147W	557A	999W	393A	713W	217A	403W	146A	274W	82.7A	158W