2V2500Ah @ 10HR

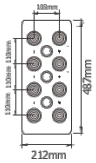
Rekoser OPzV Battery

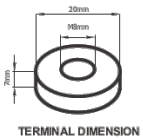
Rekoser OPzV battery. The RKV series adopts an Immobilized Gel and Tubular Positive Plate technology. It offers high reliability and stable performance. By using die-casted positive grid and patented active material formula, it exceeds the DIN standard values and offer 20+ years design life in float 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.

ISO9001 ISO14001

Complied standards

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





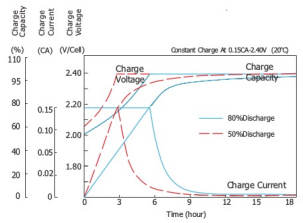
SPECIFICATIONS				
Nominal Voltage	2V			
Capacity (25°C)	2500Ah @ 10HR			
Internal Resistance	Approx. 0.20mOhm (fully charged @ 20°C)			
Self Discharge	Approx. 2% per month @ 20°C			
Cell number	1 cells			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 2.35-2.40V (-5mV/°C/cell)		Float - 2.25-2.29V (-3mV/°C/cell)	
Max. Charge Current	500A			
Max. Discharge Current	4000A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	487x212x772(807)
Weight (kgs)	174

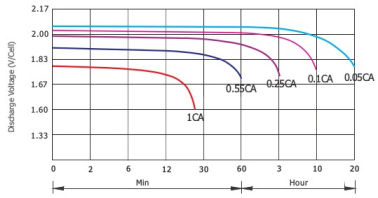
CONSTRUCTION	
Component	Raw Material
Positive	Lead dioxide
Negative	Lead
Container	ABS(UL94-V0 optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Safety Valve	Rubber
Terminal	Copper
Separator	Fibre Glass
Electrolyte	Immobilized Gel

GRAPHICS

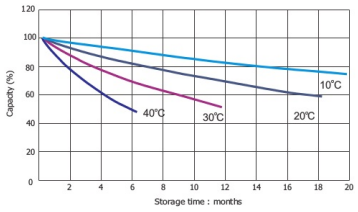
CHARGE CHARACTERISTICS



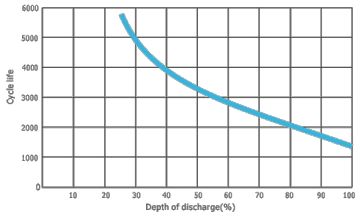
DISCHARGE CHARACTERISTIC 25oC



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	885A	1709W	860A	1666W	804A	1566W	679A	1332W	490A	976W	363A	726W	214A	433W
1.85 V	1387A	2591W	1271A	2384W	1094A	2067W	865A	1651W	581A	1132W	419A	824W	236A	468W
1.80 V	1809A	3292W	1641A	3000W	1323A	2441W	1051A	1960W	644A	1227W	437A	841W	250A	477W
1.75 V	1918A	3434W	1801A	3242W	1552A	2823W	1144A	2103W	662A	1242W	446A	846W	252A	486W
1.70 V	2087A	3685W	1978A	3512W	1705A	3059W	1208A	2193W	674A	1252W	453A	852W	257A	492W