

2V1800Ah @ 10HR

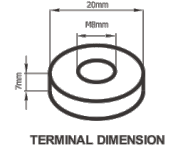
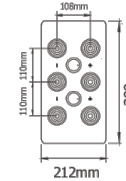
Rekoser OPzV Battery

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 life
- BS6290 part 4



SPECIFICATIONS

Nominal Voltage	2V			
Capacity (25°C)	1800Ah @ 10HR			
Internal Resistance	Approx. 0.23mOhm (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	400A			
Max. Discharge Current	2900A			

DIMENSIONS AND WEIGHT

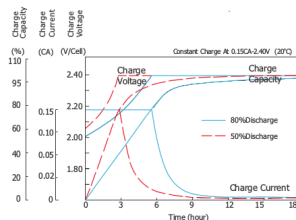
Dimensions (mm)	399x212x772(807)
Weight (kgs)	125

CONSTRUCTION

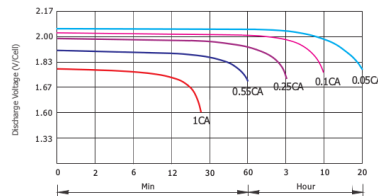
Component	Raw Material
Positive	Lead dioxide
Negative	Lead
Container	ABS(UL94-V0 optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Safety Valve	Rubber
Terminal	Copper
Separator	Fibre Glass
Electrolyte	Immobilized Gel

GRAPHICS

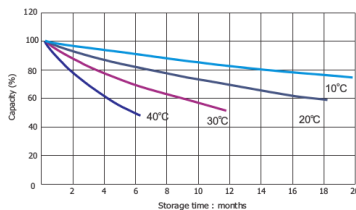
CHARGE CHARACTERISTICS



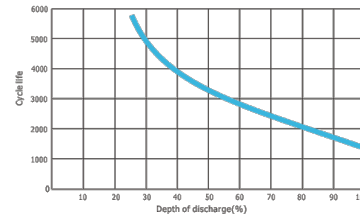
DISCHARGE CHARACTERISTIC 25°C



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	637A	1230W	619A	1200W	578A	1128W	488A	959W	352A	702W	261A	523W	155A	312W
1.85 V	999A	1866W	914A	1716W	787A	1489W	623A	1189W	418A	815W	301A	593W	169A	338W
1.80 V	1302A	2371W	1181A	2160W	952A	1758W	757A	1411W	463A	884W	315A	606W	180A	344W
1.75 V	1381A	2472W	1297A	2335W	118A	2032W	823A	1515W	476A	896W	321A	609W	182A	350W
1.70 V	1502A	2653W	1425A	2529W	1228A	2202W	870A	1580W	485A	901W	327A	613W	185A	354W