

## 2V420Ah @ 10HR

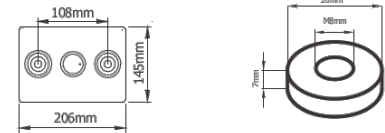
### Rekoser OPzV Battery

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)	420Ah @ 10HR   454Ah @ 20HR   525Ah @ 100HR   533Ah @ 120HR			
Internal Resistance	Approx. 0.70mOhm (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	84A			
Max. Discharge Current	2100A			

#### DIMENSIONS AND WEIGHT

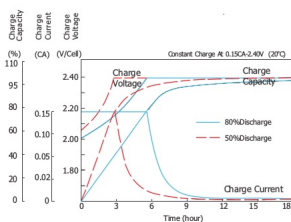
Dimensions (mm)	145x206x471(506)
Weight (kgs)	31

#### CONSTRUCTION

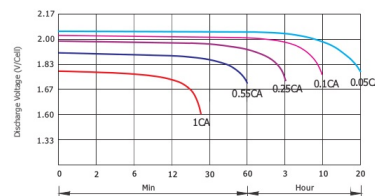
Component	Raw Material
Positive	Lead dioxide
Negative	Lead
Container	ABS(UL94-V0 optional)
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Safety Valve	Rubber
Terminal	Copper
Separator	Fibre Glass
Electrolyte	Immobilized Gel

#### GRAPHICS

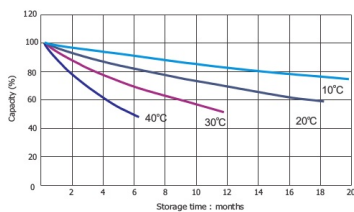
CHARGE CHARACTERISTICS



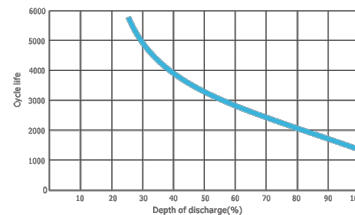
DISCHARGE CHARACTERISTIC 25oC



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	154A	297W	150A	290W	140A	273W	118A	231W	84.0A	167W	62.2A	125W	36.8A	74.3W
1.85 V	241A	451W	221A	415W	190A	260W	150A	286W	100A	194W	71.8A	141W	40.4A	80.3W
1.80 V	315A	573W	286A	522W	230A	425W	182A	339W	110A	210W	75.0A	144W	42.0A	81.8W
1.75 V	334A	598W	314A	564W	270A	491W	198A	364W	113A	213W	76.4A	145W	43.3A	83.3W
1.70 V	363A	642W	344A	611W	297A	532W	209A	380W	116A	215W	77.7A	146W	44.1A	84.3W