

## 2V500Ah @ 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



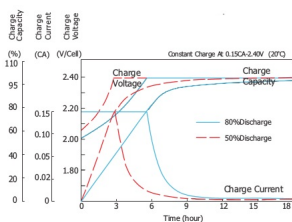
gel\_battery\_2v\_500ah\_rkv2-500\_terminal.png

#### SPECIFICATIONS

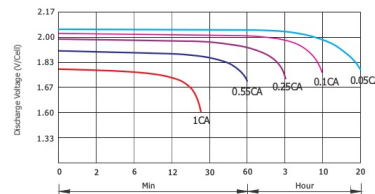
Nominal Voltage	2V			
Capacity (25°C)	500Ah @ 10HR			
Internal Resistance	Approx. 0.60mOhm (fully charged @ 20°C)			
Self Discharge	Approx. 2% per month @ 20°C			
Cell number	1 cells			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 2.35-2.40V (-5mV/°C/cell)		Float - 2.25-2.29V (-3mV/°C/cell)	
Max. Charge Current	100A			
Max. Discharge Current	2500A			

#### GRAPHICS

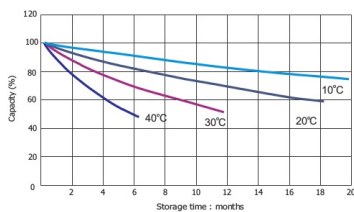
CHARGE CHARACTERISTICS



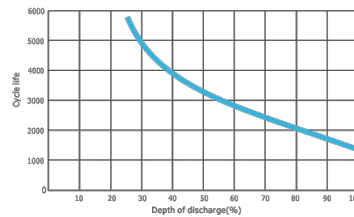
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



#### DIMENSIONS AND WEIGHT

Dimensions (mm)	166x206x471(506)
Weight (kgs)	35

#### 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

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

F.V / Time	10MIN		15MIN		30MIN		1HR		3HR		5HR		10HR	
1.90 V	180A	347W	175A	338W	163A	318W	137A	269W	98.0A	195W	72.6A	145W	42.9A	86.7W
1.85 V	282A	526W	258A	484W	222A	420W	175A	334W	116A	226W	83.8A	165W	47.1A	93.7W
1.80 V	367A	669W	333A	609W	269A	496W	212A	396W	129A	245W	87.5A	168W	49.0A	95.5W
1.75 V	390A	697W	366A	659W	315A	573W	231A	425W	132A	248W	89.2A	169W	50.5A	97.2W
1.70 V	424A	748W	402A	713W	346A	621W	244A	443W	135A	250W	90.7A	170W	51.5A	98.3W