

## 12V100Ah @ 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

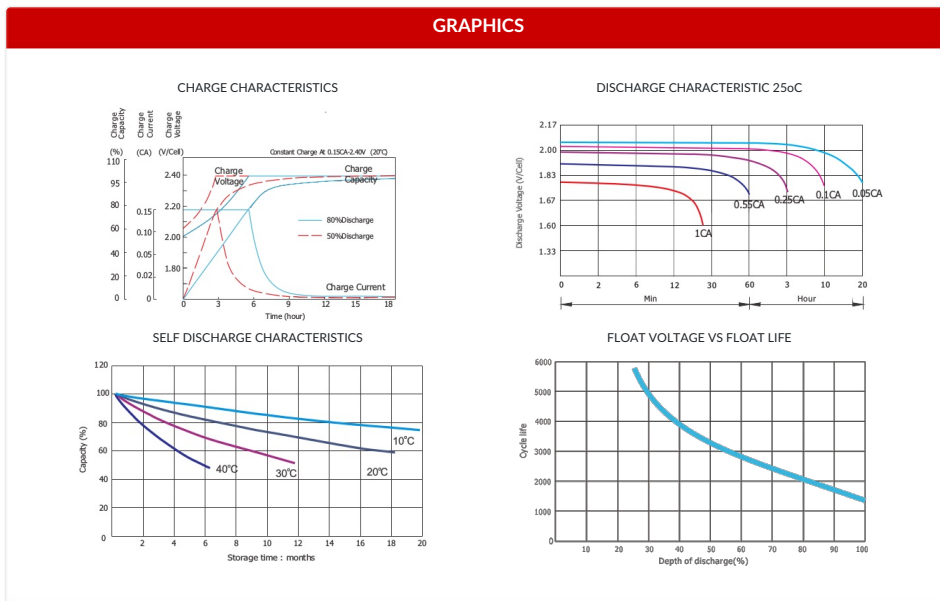
- IEC 60896-11
- DIN40736
- IEC61427
- Eurobat guide, long life
- BS6290 part 4



SPECIFICATIONS				
Nominal Voltage	12V			
Capacity (25°C)	100Ah @ 10HR			
Internal Resistance	Approx. 6.3mOhm (fully charged @ 20°C)			
Self Discharge	Approx. 2% per month @ 20°C			
Cell number	6 cells			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 13.80-14.10V (-30mV/°C/cell)		Float - 13.50-13.80V (-18mV/°C/cell)	
Max. Charge Current	20A			
Max. Discharge Current	625A			

DIMENSIONS AND WEIGHT	
Dimensions (mm)	409x176x223(223)
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	5MIN		10MIN		15MIN		30MIN		1HR		3HR		5HR		10HR		20HR	
10.8 V	102A	179W	101A	181W	92.9A	170W	74.1A	139W	48.4A	92.0W	24.1A	47.1W	13.3A	34.0W	10.0A	19.9W	5.3A	10.6W
10.5 V	109A	190W	107A	192W	98.1A	179W	76.9A	144W	50.0A	94.9W	24.8A	48.6W	17.8A	35.1W	10.1A	20.0W	5.34A	10.7W
10.2 V	113A	199W	112A	201W	102A	186W	78.9A	147W	51.0A	96.9W	25.0A	48.9W	17.9A	35.3W	10.1A	20.2W	5.37A	10.7W
9.9 V	118A	207W	116A	210W	105A	193W	81.3A	152W	52.3A	99.4W	25.1A	49.3W	18.0A	35.6W	10.2A	20.2W	5.38A	10.8W
9.6 V	122A	214W	120A	216W	108A	198W	83.0A	155W	53.1A	101W	25.3A	49.6W	18.2A	35.8W	10.2A	20.3W	5.4A	10.8W