

12V420Ah @ 10HR

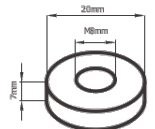
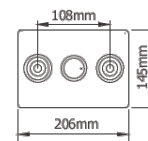
Rekoser OPzV Battery

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

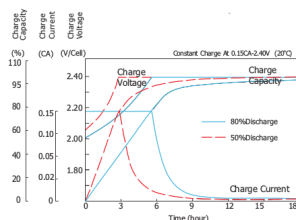


SPECIFICATIONS

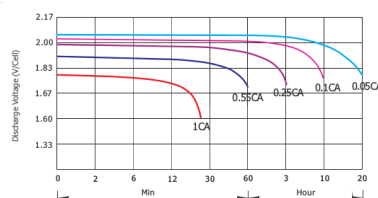
Nominal Voltage	12V			
Capacity (25°C)	420Ah @ 10HR 454Ah @ 20HR 525Ah @ 100HR 533Ah @ 120HR			
Internal Resistance	Approx. 4.20mOhm (fully charged @ 20°C)			
Self Discharge	Approx. 2% per month @ 20°C			
Capacity Affected by Temperature	102% (40°C)	100% (25°C)	85% (0°C)	65% (-15°C)
Charge Voltage (25°C)	Cycle - 14.1-14.4V (-30mV/°C)		Float - 13.5-13.74V (-18mV/°C)	
Max. Charge Current	84A			
Max. Discharge Current	2100A			

GRAPHICS

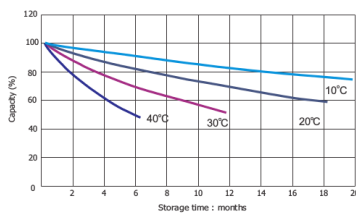
CHARGE CHARACTERISTICS



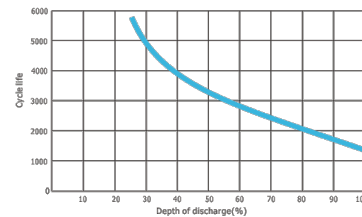
DISCHARGE CHARACTERISTIC 25°C



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



DIMENSIONS AND WEIGHT

Dimensions (mm)	145x1236x471(506)
Weight (kgs)	186

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	
11.40 V	154A	1782W	150A	1740W	140A	1638W	118A	1386W	84.0A	1002W	62.2A	750W	36.8A	445.8W
11.10 V	241A	2706W	221A	2490W	190A	1560W	150A	1716W	100A	1164W	71.8A	846W	40.4A	481.8W
10.80 V	315A	3438W	286A	3132W	230A	2550W	182A	2034W	110A	1260W	75.0A	864W	42.0A	490.8W
10.50 V	334A	3588W	314A	3384W	270A	2946W	198A	2184W	113A	1278W	76.4A	870W	43.3A	499.8W
10.20 V	363A	3852W	344A	3666W	297A	3192W	209A	2280W	116A	1290W	77.7A	876W	44.1A	505.8W