

RKS12-50

12V50Ah @ 10HR

Rekoser OPzS Battery

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Rekoser OPzS battery. The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11.With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all standby power applications that require the highest levels of reliability and security.



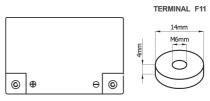
Complied standards •

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

SPECIFICATIONS									
Nominal Voltage	12V								
Capacity (25°C)	50Ah @ 10HR 54Ah @ 20HR 67.5 @ 100HR								
Internal Resistance	Approx. 0.35mOhm (fully charged @ 20°C)								
Self Discharge	3% of capacity declined per month at 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 - 14.1-14.4	/ (-5mV / o C/ cell)	Float - 13.2-13.5V (-3mV / o C/ cell)						
Max. Charge Current	240A								
Max. Discharge Current	2500A								

GRAPHICS

REKC Product of 10



DIMENSIONS AND WEIGHT								
Dimensions (mm)	260x168x211(826)							
Weight (kgs)	with electrolyte: 20							

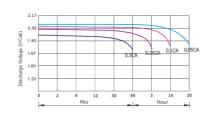
	CONSTRUCTION
Component	Raw Material
Positive	Lead dioxide
Negative	Lead
Container	SAN
Cover	ABS (Flame Retardant Optional)
Sealant	Epoxy Resin
Safety Valve	Rubber
Terminal	Copper
Separator	Fibre Glass
Electrolyte	Sulphuric acid

Charg Capad	Charg	Charg Voltag	Constar	nt Charg	In At 0	1504-2	40V (20°C)		
(%) 110 [(CA)	(V/Cell)		-	ie ni on	130412		harge		
95 -		2.40	Voltag	2		Capacity				
80 - 60 -	0.15	2.20	K	$\left\langle \right\rangle$						
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20 -	0.02	1.00	/ ``	_			Charg	e Currei	nt	
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100			-					_		
() 80	6									
(%) (%)						_			10°C	
Capacity (%)			40%		30°C			20°C		
20										
0		2 4		8 1			4	16 1	8	
			Sto	orage tir	ne : m	JIITINS				
CYC	LE DI	SCHAR	GE VOLT			(Test	stand	dard B	S EN	
			61	427:20)05)					
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8 12.0 11.5	Shallow	cycling at low	state of charge						,.	
() 12.0 12.0 12.0 11.6 10 11.0	Shallow	cycling at low	state of charge			Shallow	cycling at	high state o	f charg	

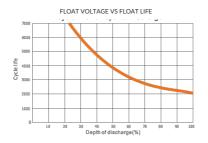
CHARGE CHARACTERISTICS

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110 15 10 15 20 25 30 36 40 45 50 1 5 10 15 20 25 30 36 40 45 50 1 6 10 15 20 25 30 36 40 45 50 66 66 10 16 80 66 C6 10 16 80 66 10 16 10 16 80 66 10 16 10 16 10 16 10 16 10 16 10 16 10 90 95 100



DISCHARGE CHARACTERISTIC 250C



	CONSTANT DISCHARGE RATINGS (A, W) AT 25°C													
F.V / Time	15MIN		15MIN 30MIN 1HR 3HR		HR	5HR		10HR		20HR				
10.80 V	45.6A	83.4W	36.6A	68.5W	25.5A	48.5W	12.4A	24.2W	8.73A	17.2W	5.0A	10.0W	2.7A	5.4W
10.50 V	48.1A	88.1W	38.0A	71.1W	26.3A	50.1W	12.8A	25.0W	9.0A	17.7W	5.04A	10.0W	2.72A	5.44W
10.20 V	49.8A	91.2W	39.0A	72.8W	26.9A	51.1W	12.8A	25.2W	9.06A	17.9W	5.07A	10.1W	2.74A	5.47W
9.90 V	51.7A	94.7W	40.2A	75.1W	27.6A	52.4W	13.0A	25.5W	9.19A	18.1W	5.08A	10.1W	2.74A	5.49W
9.60 V	53.0A	97.0W	41.0A	76.7W	28.0A	53.2W	13.1A	25.7W	9.24A	18.2W	5.09A	10.1W	2.75A	5.5W

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