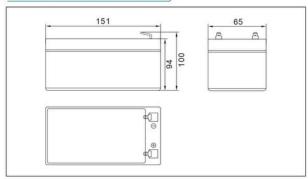
KR12-7Ah

12V 7Ah VRLA AGM Battery

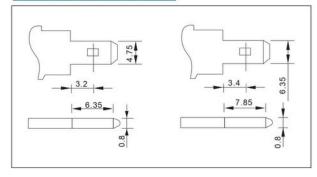
Specifications /

Nomina	al Voltage	12V			
Rated capacit	ty (20 hour rate)	7Ah			
Dimensions	Length	151 ± 1.5 mm(5.94inch)			
	Width	$65\!\pm\!1\text{mm}(2.56\text{inch})$			
	Height	94±1mm(3.70inch)			
	Total Height	100±1mm(3.94inch)			
Approx	. Weight	2.1kg(4.63lbs)±4%			

Outer dimensions (mm)



Terminal Type (mm)



L kraft BATTERIEN



Consoltu	20	DHR(10.5V)	7Ah					
Capacity (25℃)	10	DHR(10.5V)	6.5Ah					
	1	HR(9.60V)	4.2Ah					
Term	ina	type	T1/T2					
		sistance ed,25℃)	Approx.25m Ω					
Capacity		40°C	102%					
affected b		25℃	100%					
temperatu	re	0℃	85%					
(20HR)		-15℃	65%					
Self-discharge		3month	Remaining Capacity:91%					
		6month	Remaining Capacity:82%					
(200)	(25℃)		Remaining Capacity:65%					
Nominal temp			25℃ ±3℃(77°F ±5°F)					
Operating temperature		Discharge	-15℃~50℃(5°F~122°F)					
		Charge	-10℃~50℃(14°F~122°F)					
range		Storage	-20℃~50℃(-4°F~122°F)					
Float chargi	ng v	oltage(25℃)	13.60 to 13.80V Temperature compensation: -18mV/℃					
Cyclic charg	ing \	/oltage(25℃)	14.50 to 15.00V Temperature compensation: -30mV/℃					
Maximum o	har	ging current	2.1A					
Maximum d	isch	arge current	105A(5 sec.)					
Designed fl	oati	ng life(20℃)	5 years					

Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

Constant Current Discharge Characteristics Unit:A(25℃,77°F)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	26.7	16.9	13.2	7.46	4.59	2.51	1.74	1.44	1.22	0.66	0.36
9.90V	25.9	16.4	12.9	7.31	4.52	2.49	1.72	1.43	1.21	0.66	0.35
10.2V	24.9	15.8	12.4	7.08	4.40	2.47	1.71	1.42	1.21	0.66	0.35
10.5V	23.8	15.1	12.0	6.91	4.31	2.43	1.70	1.41	1.20	0.65	0.35
10.8V	22.5	14.2	11.4	6.66	4.18	2.37	1.65	1.36	1.16	0.64	0.34

● Constant Power Discharge Characteristics Unit:W(25℃,77°F)

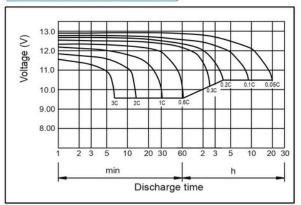
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	298	191	151	85.4	53.1	29.3	20.6	17.1	14.6	7.95	4.26
9.90V	289	185	147	83.7	52.3	29.2	20.5	17.0	14.5	7.92	4.25
10.2V	278	178	142	81.2	51.0	28.9	20.3	16.9	14.4	7.88	4.23
10.5V	266	170	137	79.2	50.0	28.5	20.2	16.8	14.3	7.84	4.20
10.8V	251	161	130	76.3	48.4	27.8	19.6	16.3	13.9	7.68	4.12

Note: The above characteristics data can be obtained within three charge or discharge cycles.

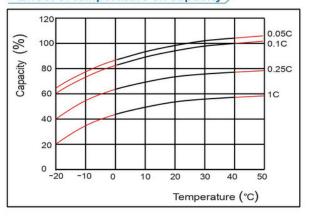
KR12-7Ah

12V 7Ah VRLA AGM Battery

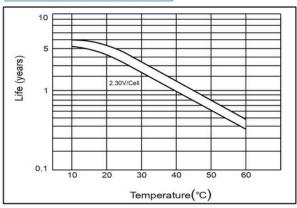
Discharge characteristics(25°C)



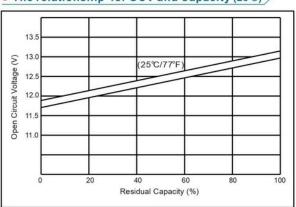
Effect of temperature on capacity



Floating life on temperature



The relationship for OCV and Capacity (25℃)



SES

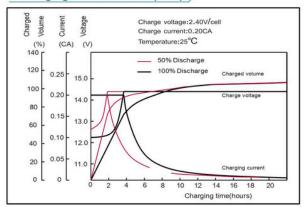




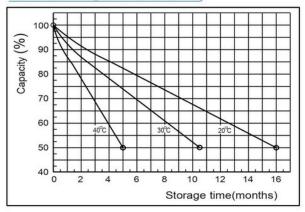




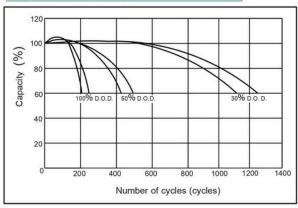
Charging characteristics (25°C)



Self-discharge characteristics



Cycle life on D.O.D(25℃)



• The relationship for Charging voltage and Temperature

