VRLA BATTERY MK12-9F2 12V9Ah/20Hr

The battery is designed with AGM technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the field of UPS, Emergency Lighting System and other backup applications.

General Feature

Sealed and maintenance free operation.

Non-Spillable construction design.

ABS containers and covers (UL94HB, UL94V-0) optional.

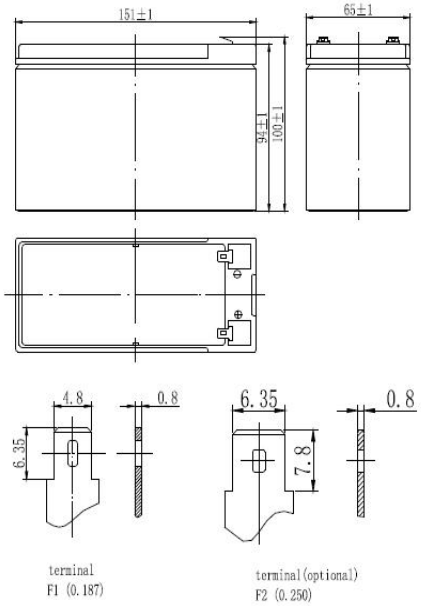
Safety valve installation for explosion proof.

High quality and high reliability.

Exceptional deep discharge recovery performance.

Low self-discharge characteristic.

Flexibility design for multiple install positions.



Application

Alarm System	Medical Equipment
Cable Television	UPS
Power tools	Power tools
Emergency Power System	Control Equipment
Security System	Toys

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

TECHNOLOGY PARAMETER				
Battery model	MK12-9F2			
Designed Floating Life	5 Years			
Capacity	20hR(0.45A, 10.5V)	10hR(0.819A, 10.5V)	5hR(1.38A, 10.5V)	1hR(5.5A, 9.60V)
	9.0Ah	8.19Ah	6.9Ah	5.5Ah
Dimensions	Length	Width	Height	Total Height
	151±1mm	65±1mm	94±1mm	100±1mm
Approx. weight (±3%)	2.50 Kg			
Internal resistance	Full charged at 25℃: Approx. 20mOhms			
Self-discharge	3% of capacity declined per month at 25℃ (average)			
Capacity Affected	40 ℃	25 ℃	0 ℃	-15 ℃
by Temp.(20HR)	102%	100%	85%	65%
Charge Voltage (25℃)	Cycle use		Float use	
	14.5-14.9V(-30mV/℃), max. Current: 2.7A		13.6-13.8V(-20mV/℃)	

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	33.60	22.70	17.40	9.52	5.50	2.30	1.51	0.875	0.466
1.65V	32.30	21.90	16.90	9.17	5.39	2.23	1.46	0.857	0.462
1.70V	30.40	21.00	16.50	8.82	5.26	2.16	1.42	0.838	0.456
1.75V	28.60	20.20	15.80	8.47	5.04	2.06	1.38	0.819	0.450
1.80V	26.70	19.40	15.30	8.11	4.79	1.97	1.34	0.801	0.442

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	62.20	42.10	32.30	17.80	10.30	4.36	2.86	1.67	0.89
1.65V	59.40	40.30	31.20	17.10	10.10	4.19	2.77	1.63	0.88
1.70V	55.70	38.50	30.30	16.30	9.78	4.03	2.67	1.58	0.87
1.75V	52.00	36.80	29.00	15.60	9.32	3.84	2.58	1.54	0.85
1.80V	48.10	34.80	27.70	14.80	8.77	3.62	2.48	1.49	0.83