

Valve-Regulated Lead-Acid Battery 12V-9AH

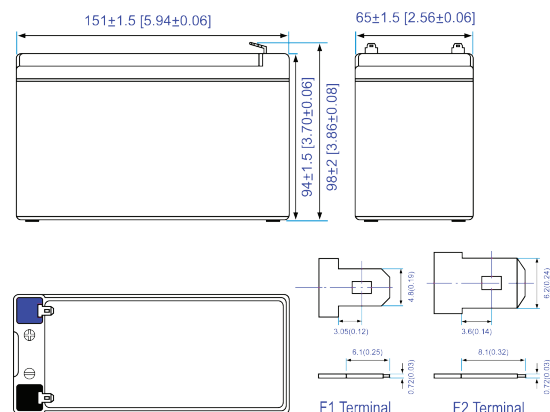
FARPAK

EP

Fp 12-9 / 20HR



Dimensions:



Main Application:

- Backup power for telecom and signal system
- Military field, railway system, power system
- UPS & emergency lighting system
- Fire alarm and security system

General features:

- Sealed and maintenance free operation.
- High energy density, low resistance and low discharge rate
- High quality and high reliability
- Safety valve installation for explosion proof

Technical Parameters:

Battery Model	FP 12-9			
Designed floating Life	3~5 Years			
Capacity(25°C)	20HR(0.45A, 10.5V)	10HR(0.83A, 10.5V)	5HR(1.44A, 10.5V)	1HR(5.4A, 9.6V)
	9.0Ah	8.3Ah	7.2Ah	5.4Ah
Dimensions	Length	Width	Height	Total Height
	151mm	65mm	94mm	100mm
Approx. Weight	2.51kg±1%			
Internal Resistance	Full charge at 25°C:13.0mΩ			
Self-Discharge	< 3% of capacity declined per month at 25°C			
Capacity Affected by Temp(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	14.4-14.7(-30mV/°C)		13.5-13.8V(-20mV/°C)	



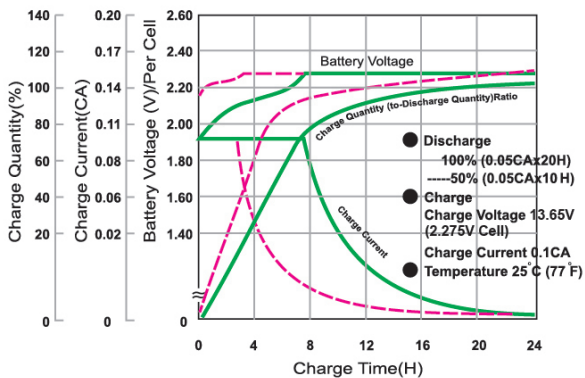
Constant Current Discharge -Amp 25°C

F.V/Time	5min	10min	15min	30min	1Hour	2Hours	3Hours	4Hours	5Hours	10Hours	20Hours
9.90	22.5	21.2	16.8	9.45	5.79	3.24	2.29	1.84	1.56	0.85	0.45
10.20	32.0	20.3	16.3	9.27	5.63	3.20	2.26	1.82	1.56	0.84	0.45
10.80	28.8	19.3	14.9	8.91	5.31	3.06	2.21	1.76	1.51	0.82	0.44

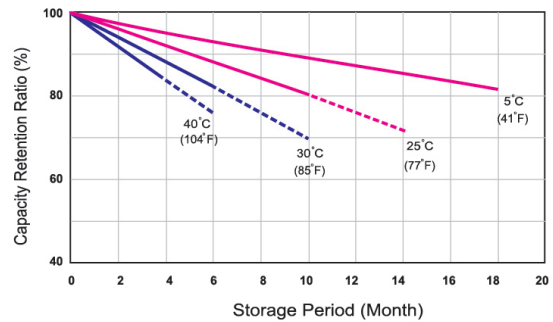
Constant Power Discharge -Amp 25°C

Cutt off voltage V/cell	5min	10min	15min	30min	1Hour	2Hours	3Hours	4Hours	5Hours	10Hours	20Hours
9.60	382	245	198	111	68.60	39.2	27.5	22.1	18.7	10.20	5.48
9.90	373	238	191	108	66.90	37.9	22.2	21.9	18.6	10.20	5.48
10.20	357	228	185	106	65.10	37.5	26.9	21.7	18.5	10.10	5.44
10.50	342	219	178	105	63.60	37.0	26.8	21.5	18.3	10.10	5.42
10.80	322	218	169	102	61.60	36.0	26.5	21.0	18.1	9.85	5.33

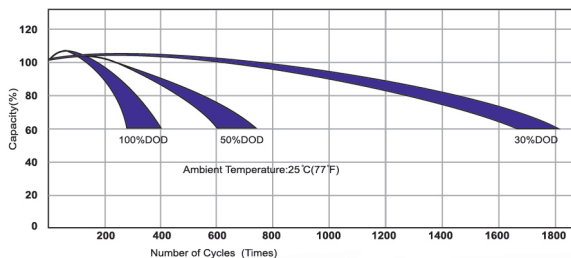
Performance Curve



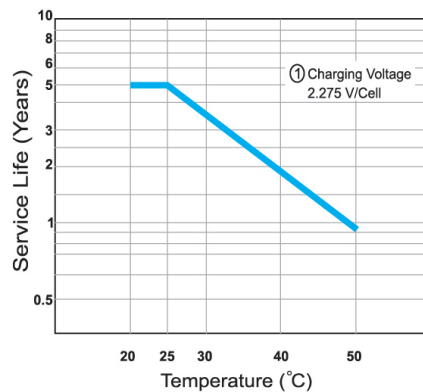
Charge Characteristics



Self-Discharge Characteristics



Cycle life in relation to depth of discharge



Temperature effects float life