



12LS-9

12V 9Ah

Design lifetime 10 years

Q-Batteries Security Akku 12LS-2.1 is an AGM battery with VdS-approval. It is designed for stand-by applications such as burglar-systems or UPS-systems.

Application:

burglar-systems, UPS-systems,
fire-detecting-systems,
telecommunication-systems

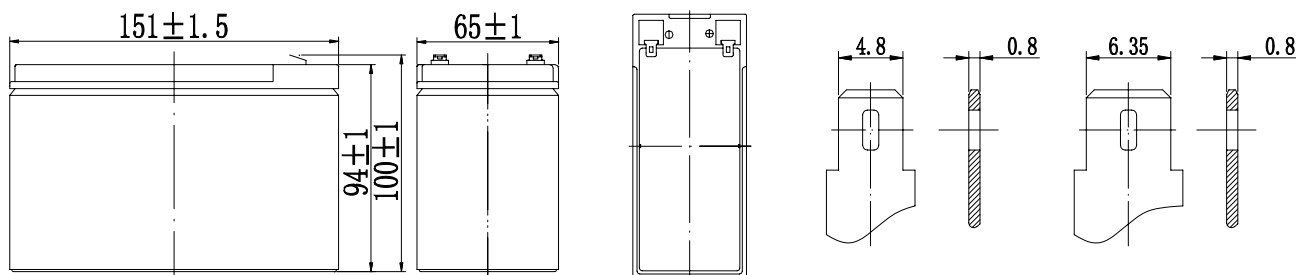


Specification:

Voltage Per Unit	12 V		
Capacity	9 Ah (10 h) cell voltage 1.8V / cell		
Cells Per Unit	6		
Weight	ca. 2.65 kg +/- 5%		
Max. Discharge Current	2.7 A (5 sec.)		
Internal Resistance	ca. 19m Ω		
Operating Temperature Range	Discharge:	Charge:	Storage:
Normal	- 15°C – 50°C	-10°C – 50°C	- 20°C – 50°C
Operating Temperature Range	25°C \pm 3°C		
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.		
Terminal	F1, F2		
Technology	AGM, Absorbent glass mat technology		
Container Material	A.B.S.		

Dimensions:

151mm Length x 65 mm Width x 94 mm Height



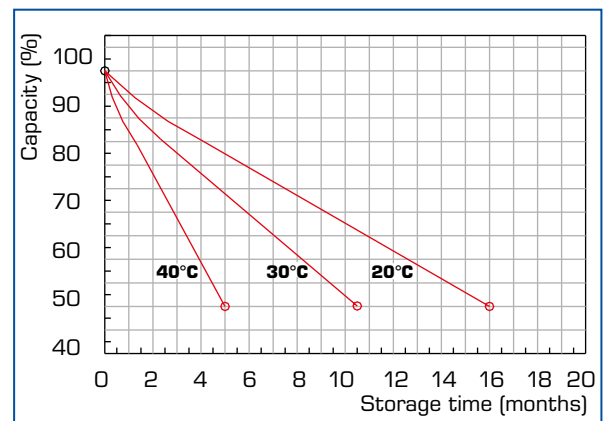
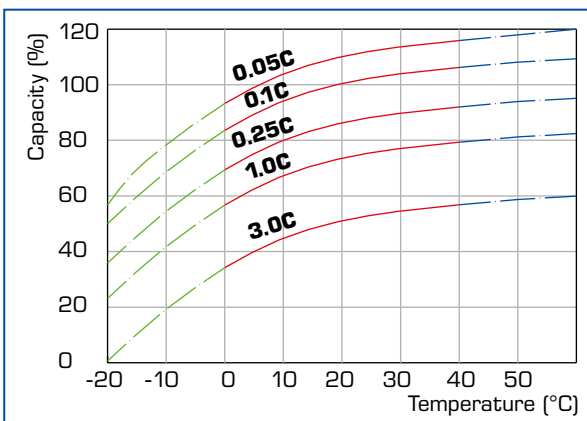
Constant current discharge characteristics: A (25°C)

FV/Time	5min	10min	15min	30min	60min	2HR	3HR	4HR	5HR	10HR	20HR
9.60V	36.4	23.0	18.4	10.3	6.42	3.51	2.52	2.02	1.71	0.93	0.48
9.90V	35.3	22.3	18.0	10.1	6.32	3.49	2.50	2.01	1.70	0.93	0.47
10.2V	33.9	21.4	17.3	9.75	6.17	3.46	2.49	1.99	1.69	0.92	0.47
10.5V	32.4	20.4	16.7	9.52	6.04	3.40	2.47	1.98	1.68	0.92	0.47
10.8V	30.6	19.3	15.8	9.16	5.86	3.31	2.39	1.92	1.62	0.90	0.46

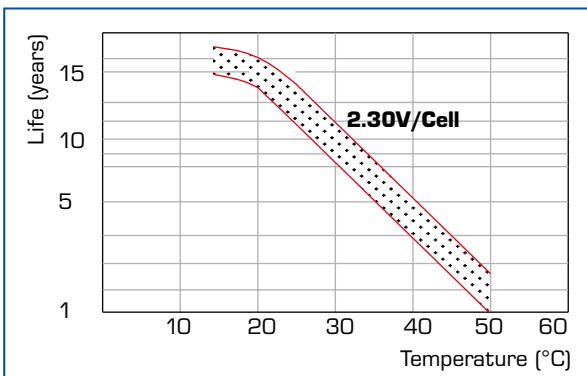
Constant current discharge characteristics: Watt (25°C)

FV/Time	5min	10min	15min	30min	60min	2HR	3HR	4HR	5HR	10HR	20HR
9.60V	406	259	210	117	74.3	41.0	30.0	24.0	20.4	11.2	5.75
9.90V	394	251	204	115	73.2	40.8	29.7	23.8	20.3	11.2	5.73
10.2V	378	241	198	112	71.3	40.5	29.5	23.7	20.2	11.1	5.69
10.5V	361	230	190	109	69.9	39.8	29.3	23.5	20.1	11.0	5.66
10.8V	341	218	180	105	67.8	38.9	28.4	22.8	19.4	10.8	5.55

Effect of Temperature on Capacity Self-discharge Characteristics



Floating Life on Temperature



Cycle Life on D.O.D (25°C)

