AGM STANDARD



12LS-9 12V 9Ah

Design lifetime 12 years +

The Q-Batteries LS series are valve regulated and maintenance-free AGM batteries (Absorbent glass mat technology), which have been developed especially for stand-by applications, such as in security technology, fire alarm technology or UPS. The batteries are characterized by excellent energy storage properties and a high level of reliability.

Application:

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

Specification[.]

Specification:		MH26	6866	security	tele- communication
Voltage Per Unit	12 V				
Capacity	9 Ah (10 hr) cell volto	age 1.8V / cell			
Cells Per Unit	6				
Weight	ca. 2.65 kg +/- 5%				
Max. Discharge Current	135 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 ± 3°C				
Self Discharge	Valve Regulated Lea than 6 months at 25 at 25°C. Please char	id Acid (VRLA) ba ºC. Self-discharg ge batteries befo	tteries can be e ratio less th re using.	e stored fo an 3% pe	or more r month
Terminal	F1, F2				
Technology	AGM, Absorbent glas	ss mat technolog	у		
Container Material	A.B.S.				

Dimensions:

151mm Length x 65 mm Width x 94,5 mm (max. 100mm) Height

AGN

JPS

tandar



Constant current discharge characteristics: A (25°C)

F.V/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)

F.V/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

Storage characteristic:



Charging Method:

Recharge after use, at least every 6th month:

Cyclic charging voltage 14,5V bis 14,9V (25°C)	
Float charging voltage (25°C)	

13,6V bis 13,8V (25°C)

Maximum charging current 2,7A

Do not short circuit the battery.

Capacity Factors with different Temperature:

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL	6V & 12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
Battery	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM	6V & 12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
Battery	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

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