



## 12LS-0.8

12V 0,8Ah

Design lifetime: 5 years



Q-Batteries 12LS-0.8 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

### Application:

UPS, security- and telecommunicationsystems etc.

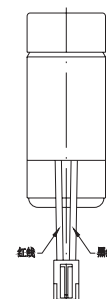
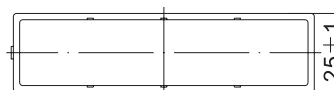
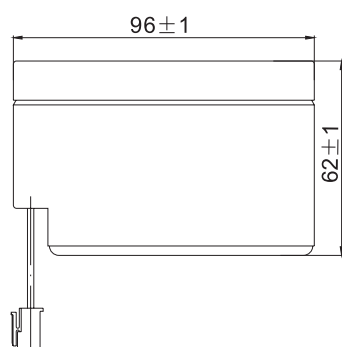
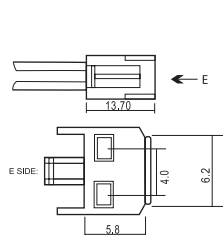


### Specification:

Voltage Per Unit	12 V		
Capacity	0,8 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 0,35 kg +/- 3%		
Max. Discharge Current	12 A (5 sec.)		
Internal Resistance	ca. 180m Ω		
Operating Temperature Range Normal	Discharge: - 15°C – 50°C	Charge: 0°C – 40°C	Storage: - 15°C – 40°C
Operating Temperature Range	25°C ± 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	JST		
Container Material	A.B.S. (UL94-HB)		

### Dimensions:

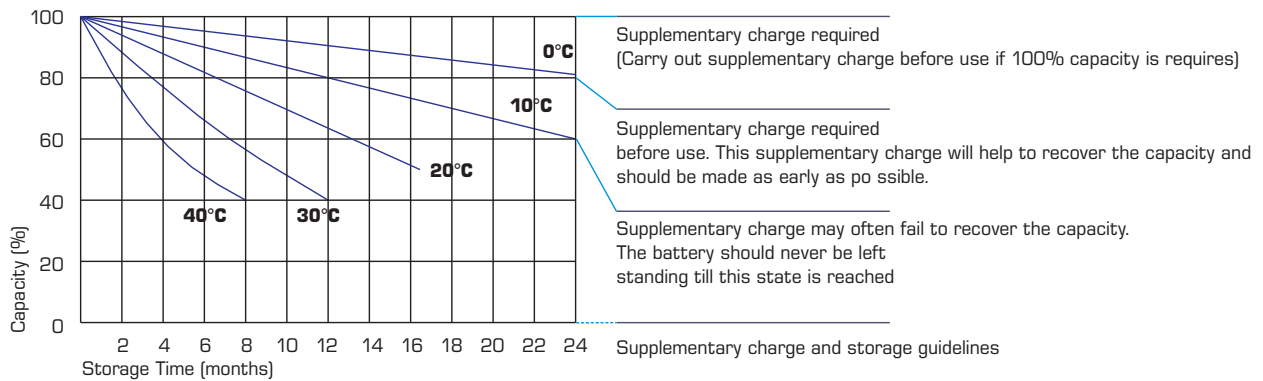
96 Length x 25 Width x 62 mm Height



## Constant current discharge characteristics: A (25°C)

F.V/Time	5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
1.85V	1.54	1.07	0.883	0.614	0.386	0.236	0.180	0.148	0.125	0.086	0.072	0.040
1.80V	1.89	1.28	1.02	0.680	0.416	0.251	0.189	0.155	0.131	0.090	0.074	0.040
1.75V	2.24	1.44	1.13	0.726	0.438	0.262	0.196	0.160	0.134	0.092	0.076	0.040
1.70V	2.54	1.59	1.22	0.763	0.456	0.272	0.202	0.164	0.138	0.093	0.077	0.041
1.65V	2.80	1.71	1.29	0.795	0.475	0.280	0.207	0.168	0.141	0.095	0.078	0.042
1.60V	2.94	1.79	1.35	0.818	0.486	0.289	0.212	0.172	0.144	0.097	0.080	0.042

## Storage characteristic:



## 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 Battery	6V & 12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V & 12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

## Charging Method:

Charge the batteries at least once every six months, if they are stored at 25°C

Constant Voltage (V)	-0.2C x 2h + 2.4-2.45V/Cell x 24h, max. Current 0.3CA
Constant Current (A)	-0.2C x 2h + 0.1CA x 12h
Fast	-0.2C x 2h + 0.3CA x 4.0h