



12LS-75

12 V 78 Ah

Design lifetime: 10 years



Q-Batteries 12LS-75 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.

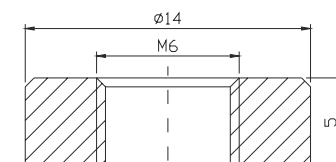
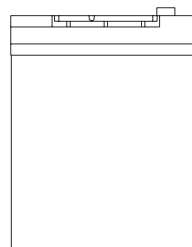
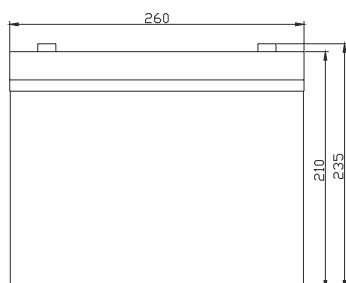


Specification:

Voltage Per Unit	12 V		
Capacity	78 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 23,5 kg +/- 3%		
Max. Discharge Current	750 A (5 sec.)		
Internal Resistance	ca. 6m Ω		
Operating Temperature Range Normal	Discharge: - 15°C – 50°C	Charge: -10°C – 50°C	Storage: - 20°C – 50°C
Operating Temperature Range	25°C \pm 5°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	F11 (M6 bolt)		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

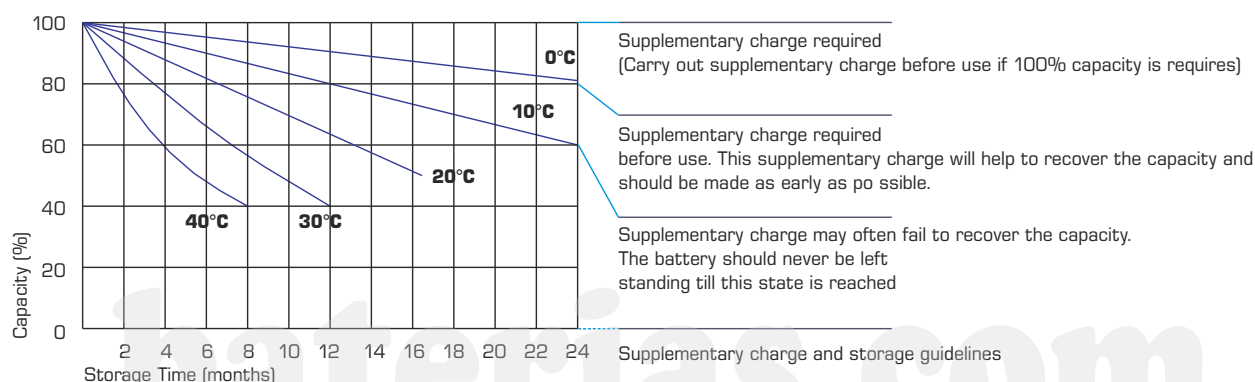
260 Length x 169 Width x 210 mm Height



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
9.60 V	251.3	185.0	144.2	87.89	48.75	29.15	20.13	16.68	14.04	9.59	7.95	4.24
10.0 V	244.0	176.0	141.3	86.38	48.53	28.93	20.05	16.60	13.96	9.51	7.88	4.17
10.2 V	236.8	169.8	139.1	84.78	48.08	28.72	19.90	16.52	13.87	9.43	7.80	4.09
10.5 V	212.6	156.7	132.4	84.14	47.63	28.50	19.82	16.37	13.71	9.36	7.73	4.01
10.8 V	191.9	142.9	122.0	82.70	46.50	27.98	19.28	15.98	13.46	9.20	7.65	3.94
11.1 V	163.9	127.7	109.5	77.43	44.18	26.74	18.43	15.21	12.88	8.81	7.42	3.70

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