



12LS-120S

12 V 118 Ah

Design lifetime: 10 years



Q-Batteries 12LS-120S 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.

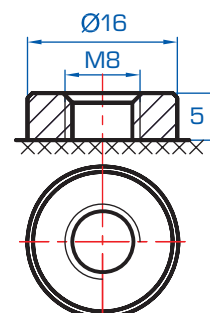
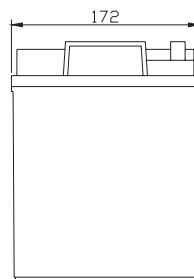
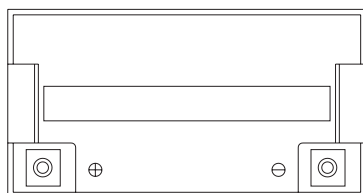
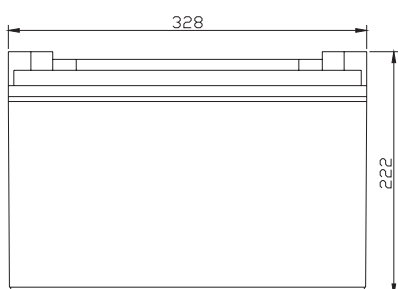


Specification:

Voltage Per Unit	12 V		
Capacity	118 Ah	@20hr-rate to 1.75V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 32,0 kg +/- 3%		
Max. Discharge Current	1100 A (5 sec.)		
Internal Resistance	ca. 4,0 m 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 ± 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	F12 (M8 bolt)		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

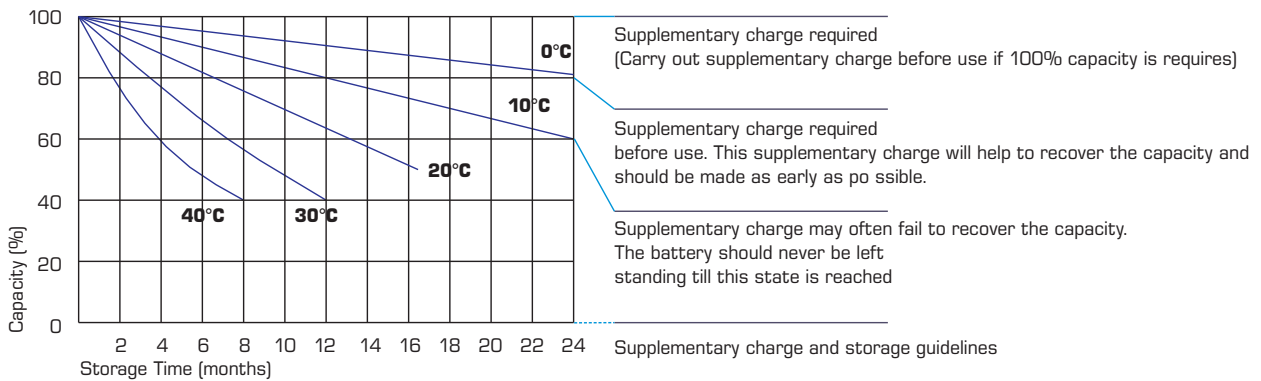
328 Length x 172 Width x 222 mm Height



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	352.7	249.5	199.6	123.9	71.50	42.78	29.57	24.24	19.84	13.66	11.55	6.23
10.0 V	342.5	237.4	195.5	121.9	71.17	42.46	29.46	24.12	19.72	13.55	11.44	6.11
10.2 V	332.4	229.1	192.4	120.8	70.51	42.14	29.23	24.01	19.60	13.44	11.33	6.00
10.5 V	298.5	211.4	183.2	117.8	69.85	41.82	29.12	23.79	19.37	13.33	11.22	5.89
10.8 V	269.4	192.7	168.9	112.6	68.20	41.07	28.33	23.23	19.02	13.11	11.11	5.77
11.1 V	230.0	172.3	151.5	105.5	64.79	39.25	27.08	22.10	18.20	12.55	10.78	5.43

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