



12LFT-105

12V 108Ah



Q-Batteries 12LFT-105 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

Application:

burglar-systems, UPS-systems, fire-detecting-systems, telecommunication-systems, IT systems and more

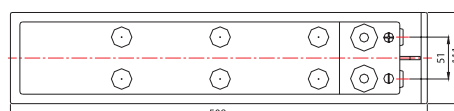
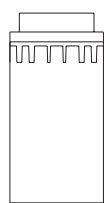
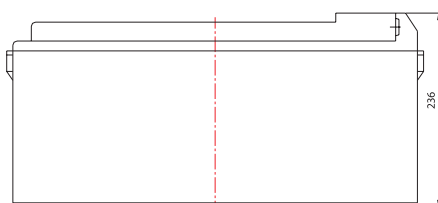


Specification:

Voltage Per Unit	12 V		
Capacity	108 Ah (20h) cell voltage 1.8V / cell		
Cells Per Unit	6		
Weight	ca. 32,5 kg +/- 3%		
Max. Discharge Current	1.050 A (5 sec.)		
Internal Resistance	ca. 5m Ω		
Float charging Voltage	13.5 VDC at \varnothing 25°C		
Operating Temperature Range Normal	Discharge: - 20°C – 60°C	Charge: 0°C – 50°C	Storage: - 20°C – 60°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) / F12 (M8 bolt)		
Technology	AGM, Absorbent glass mat technology		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

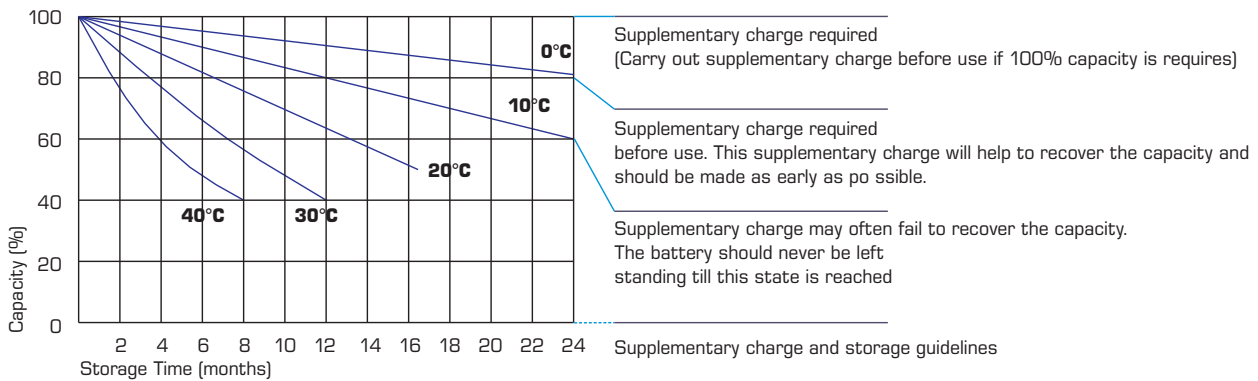
508 Length x 111 Width x 236 mm Height



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	291.3	214.4	170.6	109.7	64.84	39.65	27.41	22.68	18.56	13.04	11.03	5.83
10.0 V	282.8	204.0	167.1	107.8	64.54	39.35	27.30	22.58	18.45	12.94	10.92	5.73
10.2 V	274.5	196.8	164.5	105.8	63.94	39.05	27.09	22.47	18.35	12.83	10.82	5.62
10.5 V	246.4	181.6	156.6	105.0	63.34	38.76	26.99	22.26	18.13	12.72	10.71	5.51
10.8 V	222.4	165.6	144.3	103.2	61.85	38.06	26.25	21.74	17.80	12.51	10.60	5.41
11.1 V	189.9	148.0	129.5	96.7	58.75	36.37	25.10	20.69	17.04	11.98	10.29	5.09

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