

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 ∅ 25°C

Operating Temperature Range Discharge: Charge: Storage:

Normal - 20°C - 60°C 0°C - 50°C - 20°C - 60°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 F11 (M6 bolt) / F12 (M8 bolt)

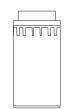
Technology AGM, Absorbent glass mat technology

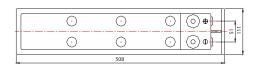
Container Material A.B.S. (UL94-HB)

Dimensions:

508 Length x 111 Width x 236 mm Height





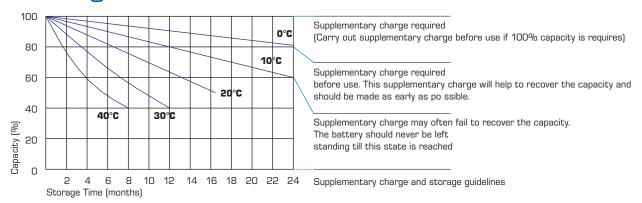




Constant current discharge characteristics: A (25°C)

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
291.3	214.4	170.6	109.7	64.84	39.65	27.41	22.68	18.56	13.04	11.03	5.83
282.8	204.0	167:1	107.8	64.54	39.35	27.30	22.58	18.45	12.94	10.92	5.73
274.5	196.8	164.5	105.8	63.94	39.05	27.09	22.47	18.35	12.83	10.82	5.62
246.4	181.6	156.6	105.0	63.34	38.76	26.99	22.26	18.13	12.72	10.71	5.51
222.4	165.6	144.3	103.2	61.85	38.06	26.25	21.74	17.80	12.51	10.60	5.41
189.9	148.0	129.5	96.7	58.75	36.37	25:10	20.69	17.04	11.98	10.29	5.09
	291.3 282.8 274.5 246.4 222.4	291.3 214.4 282.8 204.0 274.5 196.8 246.4 181.6 222.4 165.6	291.3 214.4 170.6 282.8 204.0 167.1 274.5 196.8 164.5 246.4 181.6 156.6 222.4 165.6 144.3	291.3 214.4 170.6 109.7 282.8 204.0 167.1 107.8 274.5 196.8 164.5 105.8 246.4 181.6 156.6 105.0 222.4 165.6 144.3 103.2	291.3 214.4 170.6 109.7 64.84 282.8 204.0 167.1 107.8 64.54 274.5 196.8 164.5 105.8 63.94 246.4 181.6 156.6 105.0 63.34 222.4 165.6 144.3 103.2 61.85	291.3 214.4 170.6 109.7 64.84 39.65 282.8 204.0 167.1 107.8 64.54 39.35 274.5 196.8 164.5 105.8 63.94 39.05 246.4 181.6 156.6 105.0 63.34 38.76 222.4 165.6 144.3 103.2 61.85 38.06	291.3 214.4 170.6 109.7 64.84 39.65 27.41 282.8 204.0 167.1 107.8 64.54 39.35 27.30 274.5 196.8 164.5 105.8 63.94 39.05 27.09 246.4 181.6 156.6 105.0 63.34 38.76 26.99 222.4 165.6 144.3 103.2 61.85 38.06 26.25	291.3 214.4 170.6 109.7 64.84 39.65 27.41 22.68 282.8 204.0 167.1 107.8 64.54 39.35 27.30 22.58 274.5 196.8 164.5 105.8 63.94 39.05 27.09 22.47 246.4 181.6 156.6 105.0 63.34 38.76 26.99 22.26 222.4 165.6 144.3 103.2 61.85 38.06 26.25 21.74	291.3 214.4 170.6 109.7 64.84 39.65 27.41 22.68 18.56 282.8 204.0 167.1 107.8 64.54 39.35 27.30 22.58 18.45 274.5 196.8 164.5 105.8 63.94 39.05 27.09 22.47 18.35 246.4 181.6 156.6 105.0 63.34 38.76 26.99 22.26 18.13 222.4 165.6 144.3 103.2 61.85 38.06 26.25 21.74 17.80	291.3 214.4 170.6 109.7 64.84 39.65 27.41 22.68 18.56 13.04 282.8 204.0 167.1 107.8 64.54 39.35 27.30 22.58 18.45 12.94 274.5 196.8 164.5 105.8 63.94 39.05 27.09 22.47 18.35 12.83 246.4 181.6 156.6 105.0 63.34 38.76 26.99 22.26 18.13 12.72 222.4 165.6 144.3 103.2 61.85 38.06 26.25 21.74 17.80 12.51	291.3 214.4 170.6 109.7 64.84 39.65 27.41 22.68 18.56 13.04 11.03 282.8 204.0 167.1 107.8 64.54 39.35 27.30 22.58 18.45 12.94 10.92 274.5 196.8 164.5 105.8 63.94 39.05 27.09 22.47 18.35 12.83 10.82 246.4 181.6 156.6 105.0 63.34 38.76 26.99 22.26 18.13 12.72 10.71 222.4 165.6 144.3 103.2 61.85 38.06 26.25 21.74 17.80 12.51 10.60

Storage characteristic:



Capacity Factors with different Temperature:

Batte	ery 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%

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						