



12LFT-150

12V 150Ah



Q-Batteries 12LFT-150 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

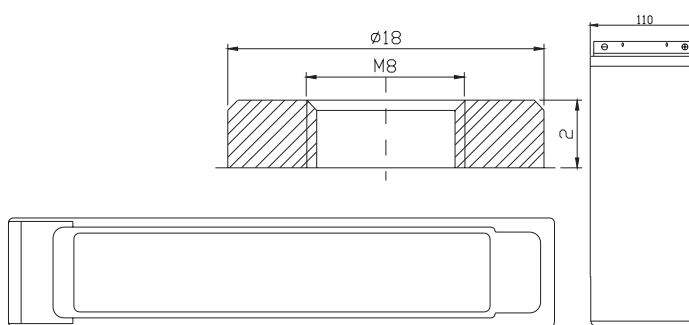
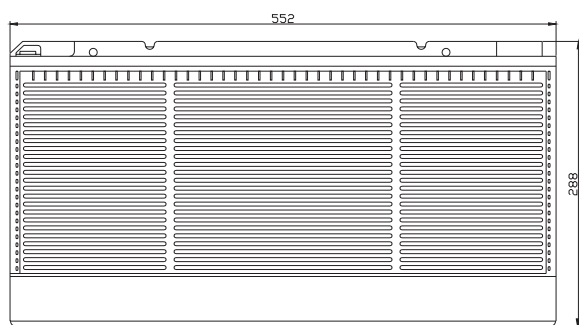


Specification:

Voltage Per Unit	12 V		
Capacity	150 Ah (20h) cell voltage 1.8V / cell		
Cells Per Unit	6		
Weight	ca. 45,0 kg +/- 3%		
Max. Discharge Current	1.500 A (5 sec.)		
Internal Resistance	ca. 4m Ω		
Float charging Voltage	13.5 VDC at \varnothing 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 \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	F12		
Technology	AGM, Absorbent glass mat technology		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

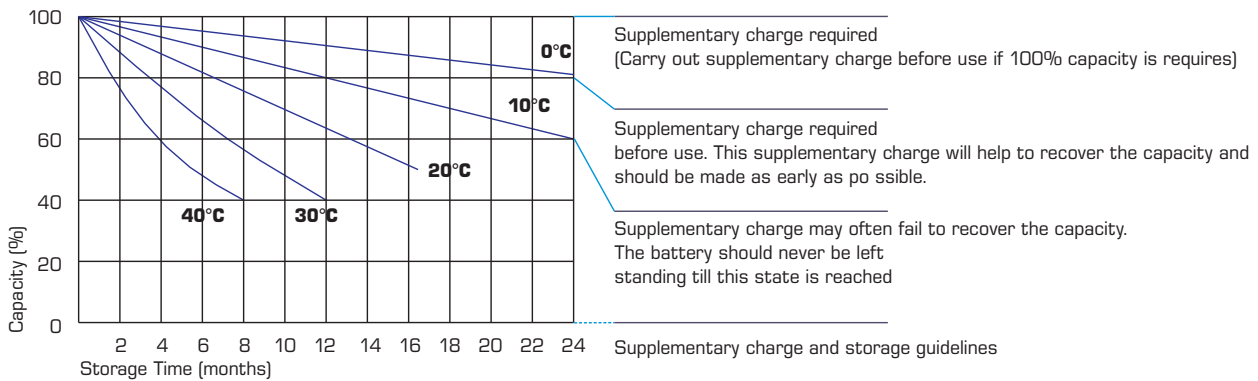
552 Length x 110 Width x 288 mm Height



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	382.1	297.0	231.5	156.8	92.63	56.64	39.15	32.40	26.52	18.63	15.75	8.332
10.0 V	371.1	282.6	226.8	154.0	92.20	56.22	39.00	32.25	26.36	18.48	15.60	8.180
10.2 V	360.1	272.6	223.2	151.2	91.34	55.79	38.70	32.10	26.21	18.33	15.45	8.029
10.5 V	323.3	251.5	212.5	150.1	90.49	55.36	38.55	31.80	25.90	18.18	15.30	7.877
10.8 V	291.8	229.4	195.9	147.5	88.35	54.37	37.50	31.05	25.43	17.88	15.15	7.726
11.1 V	249.2	205.0	175.7	138.1	83.93	51.96	35.85	29.55	24.34	17.12	14.69	7.271

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