



12LFT-55

12V 57Ah

Q-Batteries 12LFT-55 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 57 Ah (20h) cell voltage 1.8V / cell

Cells Per Unit 6

Weight ca. 18,0 kg +/- 3%

Max. Discharge Current 550 A (5 sec.) Internal Resistance ca. 6m 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 ± 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.

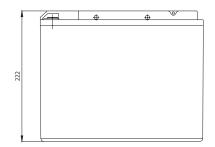
Terminal F11 (M6 bolt)

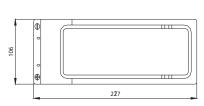
Technology AGM, Absorbent glass mat technology

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

Dimensions:

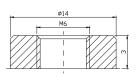
277 Length x 106 Width x 222 mm Height







Terminal F11

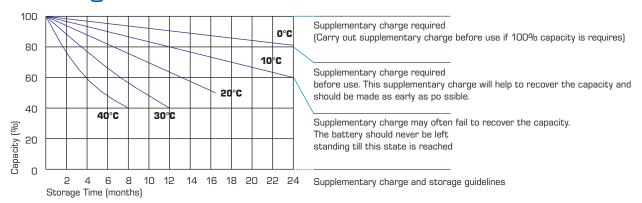




Constant current discharge characteristics: A (25°C)

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
169.6	127.4	99.83	60.50	35.75	20.77	14.79	1212	9.918	6.832	5.777	3.055
164.7	121.2	97.79	59.46	35.59	20.61	14.73	12.06	9.860	6.776	5.721	2.999
159.8	116.9	95.72	58.36	35.26	20.46	14.62	12.01	9.802	6.721	5.666	2.944
143.5	107.9	91.13	57.92	34.93	20.30	14.56	11.89	9.685	6.665	5.610	2.888
129.5	98.4	84.01	56.93	34.10	19.94	14.16	11.61	9.510	6.554	5.554	2.833
111.1	87.91	75.35	52.75	32.40	19.05	13.54	11.05	9.102	6.277	5.388	2.666
	169.6 164.7 159.8 143.5 129.5	169.6 127.4 164.7 121.2 159.8 116.9 143.5 107.9 129.5 98.4	169.6 127.4 99.83 164.7 121.2 97.79 159.8 116.9 95.72 143.5 107.9 91.13 129.5 98.4 84.01	169.6 127.4 99.83 60.50 164.7 121.2 97.79 59.46 159.8 116.9 95.72 58.36 143.5 107.9 9113 57.92 129.5 98.4 84.01 56.93	169.6 127.4 99.83 60.50 35.75 164.7 121.2 97.79 59.46 35.59 159.8 116.9 95.72 58.36 35.26 143.5 107.9 91.13 57.92 34.93 129.5 98.4 84.01 56.93 34.10	169.6 127.4 99.83 60.50 35.75 20.77 164.7 121.2 97.79 59.46 35.59 20.61 159.8 116.9 95.72 58.36 35.26 20.46 143.5 107.9 9113 57.92 34.93 20.30 129.5 98.4 84.01 56.93 34.10 19.94	169.6 127.4 99.83 60.50 35.75 20.77 14.79 164.7 121.2 97.79 59.46 35.59 20.61 14.73 159.8 116.9 95.72 58.36 35.26 20.46 14.62 143.5 107.9 91.13 57.92 34.93 20.30 14.56 129.5 98.4 84.01 56.93 34.10 19.94 14.16	169.6 127.4 99.83 60.50 35.75 20.77 14.79 12.12 164.7 121.2 97.79 59.46 35.59 20.61 14.73 12.06 159.8 116.9 95.72 58.36 35.26 20.46 14.62 12.01 143.5 107.9 91.13 57.92 34.93 20.30 14.56 11.89 129.5 98.4 84.01 56.93 34.10 19.94 14.16 11.61	169.6 127.4 99.83 60.50 35.75 20.77 14.79 12.12 9.918 164.7 121.2 97.79 59.46 35.59 20.61 14.73 12.06 9.860 159.8 116.9 95.72 58.36 35.26 20.46 14.62 12.01 9.802 143.5 107.9 91.13 57.92 34.93 20.30 14.56 11.89 9.685 129.5 98.4 84.01 56.93 34.10 19.94 14.16 11.61 9.510	169.6 127.4 99.83 60.50 35.75 20.77 14.79 12.12 9.918 6.832 164.7 121.2 97.79 59.46 35.59 20.61 14.73 12.06 9.860 6.776 159.8 116.9 95.72 58.36 35.26 20.46 14.62 12.01 9.802 6.721 143.5 107.9 91.13 57.92 34.93 20.30 14.56 11.89 9.685 6.665 129.5 98.4 84.01 56.93 34.10 19.94 14.16 11.61 9.510 6.554	169.6 127.4 99.83 60.50 35.75 20.77 14.79 12.12 9.918 6.832 5.777 164.7 121.2 97.79 59.46 35.59 20.61 14.73 12.06 9.860 6.776 5.721 159.8 116.9 95.72 58.36 35.26 20.46 14.62 12.01 9.802 6.721 5.666 143.5 107.9 91.13 57.92 34.93 20.30 14.56 11.89 9.685 6.665 5.610 129.5 98.4 84.01 56.93 34.10 19.94 14.16 11.61 9.510 6.554 5.554

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						