

Q-Batteries 12LS-33 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

andard

AGM

UPS

Application:

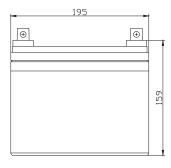
UPS, security- and telecommunicationsystems etc.

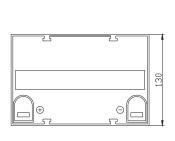
Specification:

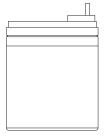
Voltage Per Unit	12 V						
Capacity	35 Ah	@20hr-rate to 1.78V per cell @25°C					
Cells Per Unit	6						
Weight	ca. 10,2 kg +/- 3%						
Max. Discharge Current	330 A (5 sec.)						
Internal Resistance	ca. 9,0m Ω						
Operating Temperature Range Normal	Discharge: - 15°C – 50°C	Charge: -10°C – 50°C					
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	F11 (M6 bolt)						
Container Material	A.B.S. (UL94-HB)						

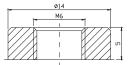
Dimensions:

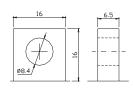
195 Length x 130 Width x 159 mm Height











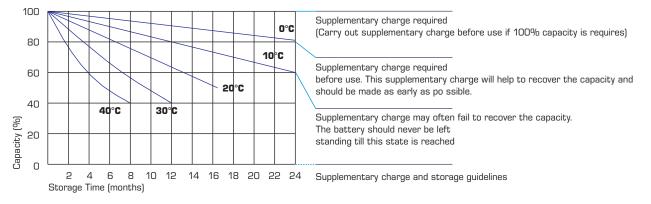
Constant current discharge characteristics: A (25°C)

12LS-33

-BATTERIES

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
110.6	81.41	63.46	38.67	21.45	12.83	8.858	7.338	6.178	4.220	3.500	1.868
107.4	77.46	62.16	38.01	21.35	12.73	8.824	7.304	6.141	4.185	3.466	1.834
104.2	74.73	61.18	37.30	21.15	12.63	8.756	7.270	6.105	4.151	3.433	1.800
93.56	68.95	58.26	37.02	20.96	12.54	8.722	7.202	6.032	4.117	3.399	1.766
84.45	62.88	53.70	36.39	20.46	12.31	8.485	7.032	5.923	4.048	3.365	1.732
72.10	56.20	48.17	34.07	19.44	11.77	8.111	6.692	5.669	3.877	3.264	1.630
	110.6 107.4 104.2 93.56 84.45	110.681.41107.477.46104.274.7393.5668.9584.4562.88	110.681.4163.46107.477.4662.16104.274.7361.1893.5668.9558.2684.4562.8853.70	110.681.4163.4638.67107.477.4662.1638.01104.274.7361.1837.3093.5668.9558.2637.0284.4562.8853.7036.39	110.681.4163.4638.6721.45107.477.4662.1638.0121.35104.274.7361.1837.3021.1593.5668.9558.2637.0220.9684.4562.8853.7036.3920.46	110.681.4163.4638.6721.4512.83107.477.4662.1638.0121.3512.73104.274.7361.1837.3021.1512.6393.5668.9558.2637.0220.9612.5484.4562.8853.7036.3920.4612.31	110.6 81.41 63.46 38.67 21.45 12.83 8.858 107.4 77.46 62.16 38.01 21.35 12.73 8.824 104.2 74.73 61.18 37.30 21.15 12.63 8.756 93.56 68.95 58.26 37.02 20.96 12.54 8.722 84.45 62.88 53.70 36.39 20.46 12.31 8.485	110.681.4163.4638.6721.4512.838.8587.338107.477.4662.1638.0121.3512.738.8247.304104.274.7361.1837.3021.1512.638.7567.27093.5668.9558.2637.0220.9612.548.7227.20284.4562.8853.7036.3920.4612.318.4857.032	110.6 81.41 63.46 38.67 21.45 12.83 8.858 7.338 6.178 107.4 77.46 62.16 38.01 21.35 12.73 8.824 7.304 6.141 104.2 74.73 6118 37.30 21.15 12.63 8.756 7.270 6.105 93.56 68.95 58.26 37.02 20.96 12.54 8.722 7.202 6.032 84.45 62.88 53.70 36.39 20.46 12.31 8.485 7.032 5.923	110.6 81.41 63.46 38.67 21.45 12.83 8.858 7.338 6.178 4.220 107.4 77.46 62.16 38.01 21.35 12.73 8.824 7.304 6.141 4.185 104.2 74.73 6118 37.30 21.15 12.63 8.756 7.270 6.105 4.151 93.56 68.95 58.26 37.02 20.96 12.54 8.722 7.202 6.032 4.117 84.45 62.88 53.70 36.39 20.46 12.31 8.485 7.032 5.923 4.048	110.6 81.41 63.46 38.67 21.45 12.83 8.858 7.338 6.178 4.220 3.500 107.4 77.46 62.16 38.01 21.35 12.73 8.824 7.304 6.141 4.185 3.466 104.2 74.73 6118 37.30 21.15 12.63 8.756 7.270 6.105 4.151 3.433 93.56 68.95 58.26 37.02 20.96 12.54 8.722 7.202 6.032 4.117 3.399 84.45 62.88 53.70 36.39 20.46 12.31 8.485 7.022 5.923 4.048 3.365

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