RESERVE POWER

AGM STANDARD

Q-BATTERIES UALITY

12LS-150

12 V 150 Ah

Design lifetime: 10 years

Q-Batteries 12LS-150 is an AGM battery, which is designed for standby applications such as fire-detecting-systems, UPS or burglar-systems.

Application:

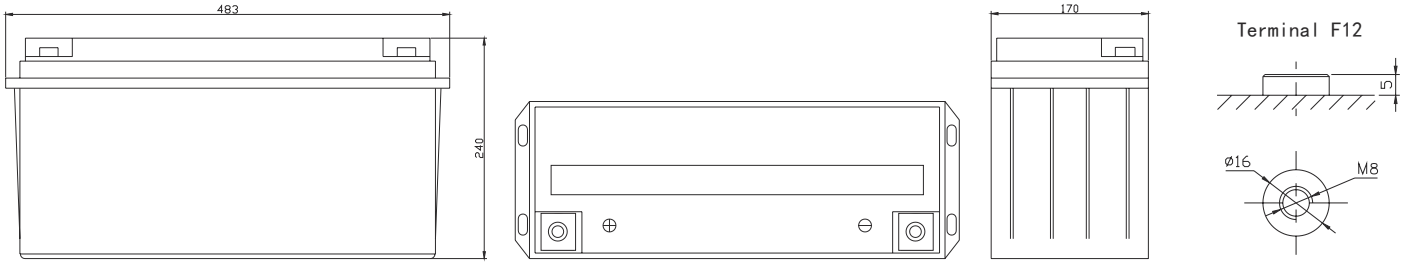
UPS, security- and telecommunicationsystems etc.

Specification:

Voltage Per Unit	12 V		
Capacity	150 Ah	@20hr-rate to 1.75V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 44.5 kg +/- 3%		
Max. Discharge Current	1.500 A (5 sec.)		
Internal Resistance	ca. 4m Ω		
Operating Temperature Range Normal	Discharge: - 15°C – 50°C	Charge: -10°C – 50°C	Storage: - 20°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	F12 (M8 bolt)		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

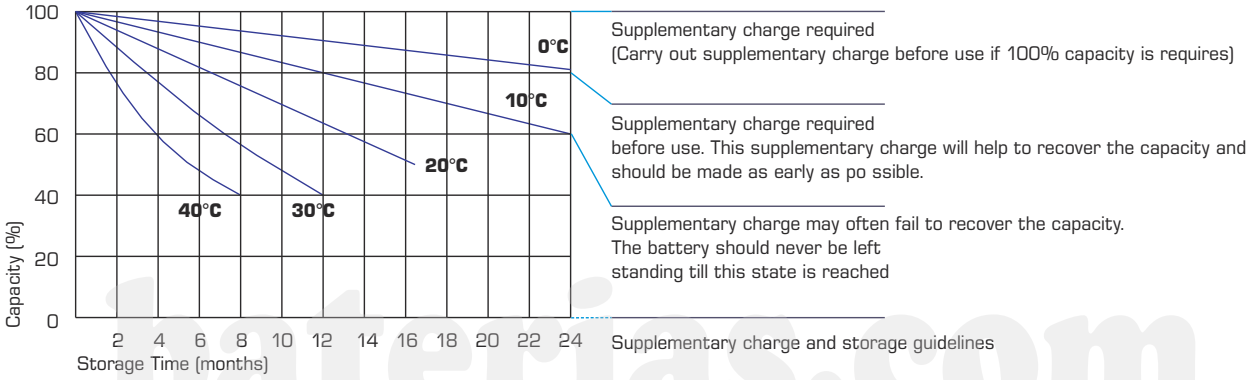
483 Length x 170 Width x 240 mm Height



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	452.4	337.8	272.1	150.7	93.63	57.81	39.28	31.68	26.29	17.32	15.61	8.26
10.0V	439.3	321.4	266.5	148.8	92.38	56.64	38.56	31.23	26.06	17.25	15.46	8.11
10.2V	426.3	310.1	262.4	146.5	91.50	56.04	38.21	30.91	25.89	17.10	15.30	7.95
10.5V	382.8	286.1	249.8	142.5	90.38	55.31	37.87	30.46	25.67	16.94	15.15	7.80
10.8V	345.5	260.9	230.3	137.8	89.12	54.85	37.43	29.41	25.55	16.87	15.01	7.72
11.1V	295.0	233.2	206.5	132.5	87.01	52.65	36.70	28.99	25.36	16.74	14.84	7.41

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	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