MOTIVE POWER

AGM ZYKLENTYP

Q-BATTERIES UALITY

12LCP-15

12 V 15 Ah

Q-Batteries Akku 12LCP-15 battery is a special deep cycle battery which is designed for intensive cyclic discharge usage. Because of the very thick lead plates it's possible to achieve more cycles and longer lifetime.

Application:

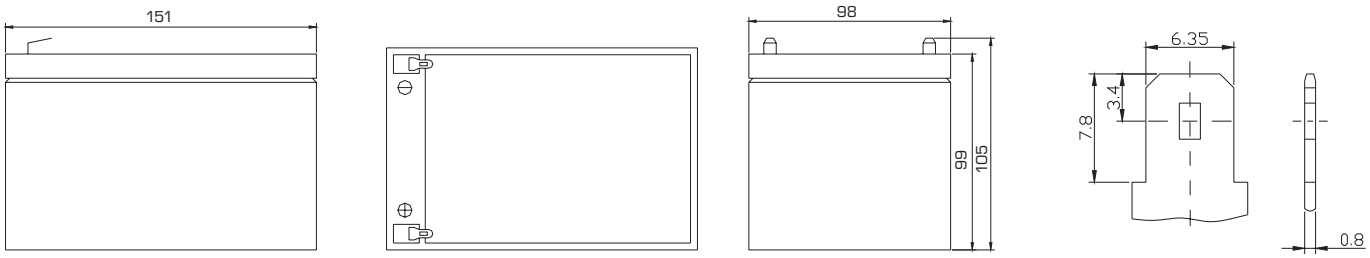
Electric wheelchair, caravan/marine,
cleaning machines, golf cart,
vehicle lifts, solar energy system, u.v.m.

Specification:

Voltage Per Unit	12 V		
Capacity	15 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 4.5 kg +/- 3%		
Max. Discharge Current	140 A (5 sec.)		
Internal Resistance	ca. 12 m 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	F2 (Faston 6,35mm)		
Container Material	A.B.S. (UL94-HB)		

Dimensions:

151 Length x 98 Width x 99 mm Height



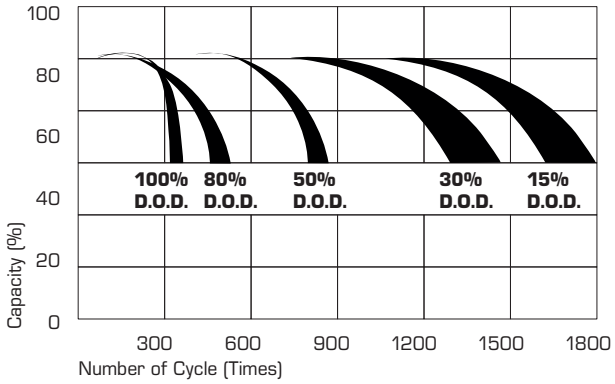
Q-BATTERIES QUALITY

12LCP-15

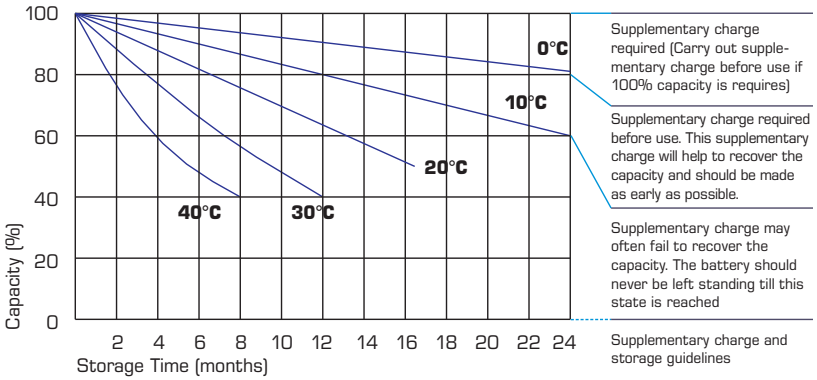
Constant current discharge characteristics: A (25°C)

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	62.77	41.40	32.68	18.89	10.342	6.329	4.365	3.381	2.778	1.778	1.553	0.847
10.0 V	60.23	39.78	31.77	18.60	10.282	6.279	4.348	3.351	2.762	1.771	1.538	0.816
10.2 V	56.98	38.41	30.91	18.45	10.192	6.244	4.331	3.307	2.745	1.764	1.522	0.801
10.5 V	51.47	36.08	29.16	18.03	10.055	6.180	4.291	3.275	2.726	1.757	1.506	0.770
10.8 V	45.97	33.62	27.39	17.60	9.876	6.145	4.251	3.249	2.711	1.750	1.474	0.739
11.1 V	40.51	31.15	25.65	17.02	9.635	6.054	4.197	3.162	2.695	1.743	1.458	0.724

Life characteristics of cyclic use:



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

AKKUSYS
+ UND DIE ENERGIE KOMMT –

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