



# 12LC-260

12V 275Ah



Q-Batteries Akku 12LC-260 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.

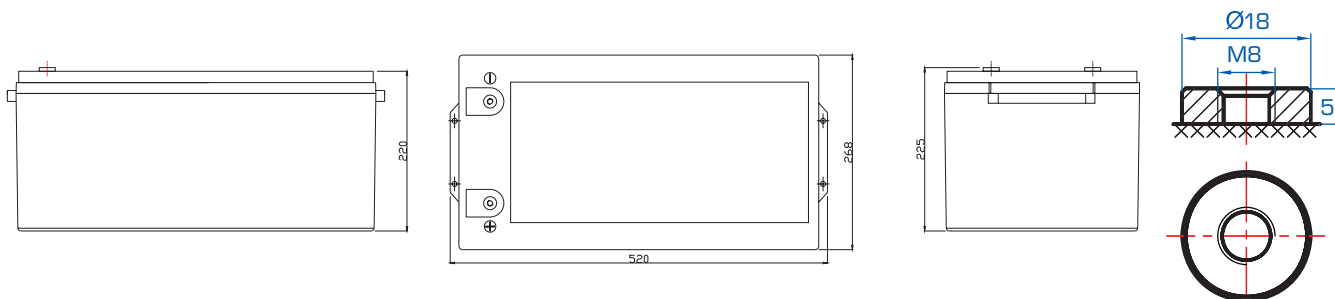


## Specification:

Voltage Per Unit	12 V		
Capacity	275 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 74 kg +/- 3%		
Max. Discharge Current	2600 A (5 sec.)		
Internal Resistance	ca. 3.5 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	F14 (M8 bolt)		
Container Material	A.B.S. (UL94-HB)		

## Dimensions:

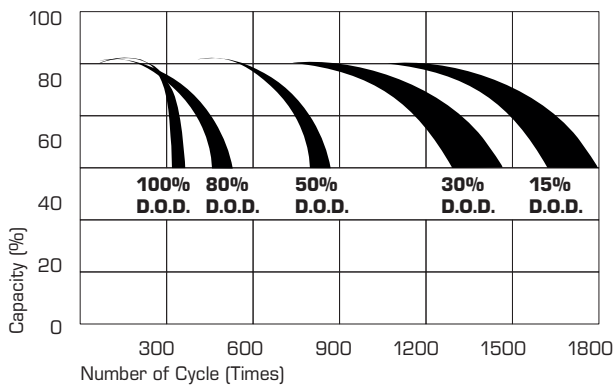
520 Length x 268 Width x 220 mm Height



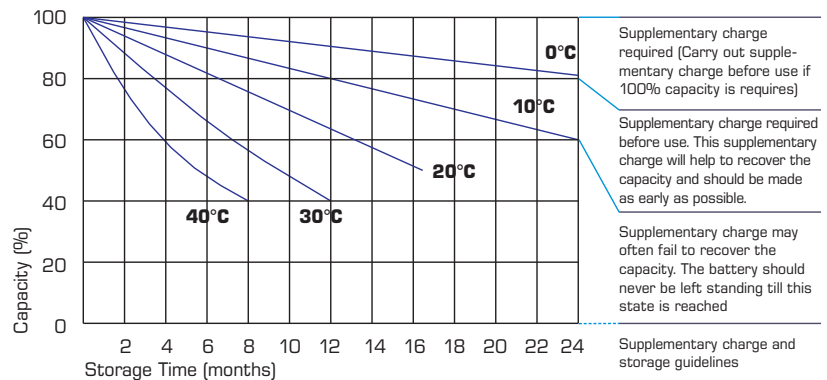
## Constant current discharge characteristics: A (25°C)

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	708.7	530.8	448.1	292.9	169.0	101.1	69.90	57.28	46.89	32.30	27.31	15.02
10.0 V	688.2	505.1	438.9	288.1	168.2	100.4	69.63	57.02	46.61	32.03	27.05	14.75
10.2 V	667.8	487.3	432.0	285.5	166.7	99.60	69.09	56.75	46.34	31.77	26.78	14.47
10.5 V	599.6	449.6	411.3	278.4	165.1	98.84	68.82	56.22	45.78	31.51	26.52	14.20
10.8 V	541.2	410.0	379.2	266.2	161.2	97.07	66.95	54.90	44.96	30.98	26.26	13.93
11.1 V	462.1	366.4	340.1	249.4	153.1	92.76	64.00	52.24	43.03	29.67	25.47	13.11

## 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 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