



# 12LCP-60

12V 63Ah



Q-Batteries Akku 12LCP-60 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.

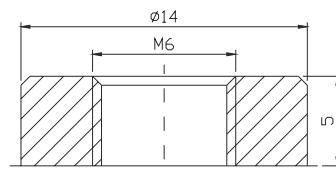
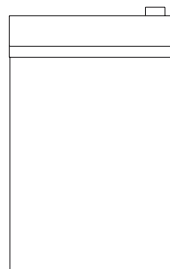
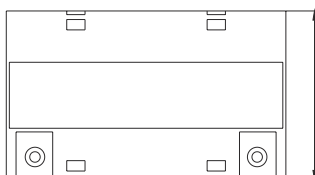
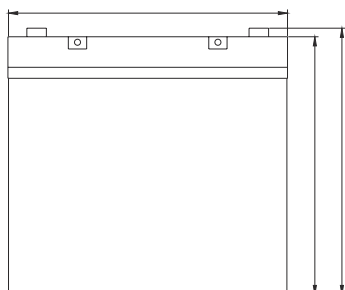


## Specification:

Voltage Per Unit	12 V		
Capacity	63 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 20 kg +/- 3%		
Max. Discharge Current	600 A (5 sec.)		
Internal Resistance	ca. 6.5 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	F11 (M6)		
Container Material	A.B.S. (UL94-HB)		

## Dimensions:

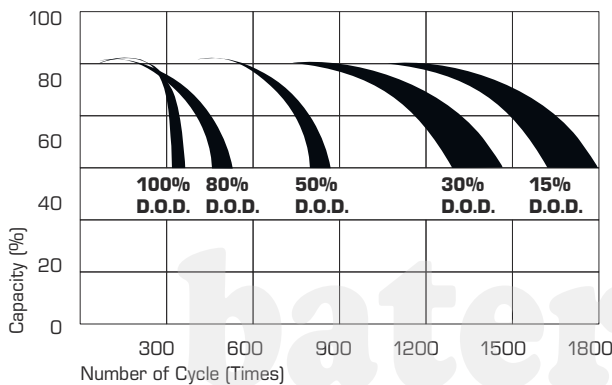
260 Length x 168 Width x 178 mm Height



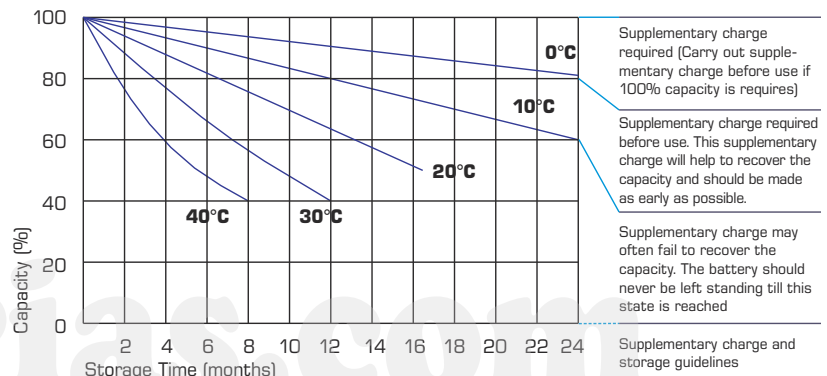
## Constant current discharge characteristics: A (25°C)

FV/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	201.0	148.0	115.4	70.32	39.00	23.32	16.11	13.34	11.23	7.67	6.26	3.40
10.0 V	195.2	140.8	113.0	69.10	38.82	23.15	16.04	13.28	11.17	7.61	6.20	3.33
10.2 V	189.4	135.9	111.2	67.82	28.46	22.97	15.92	13.22	11.10	7.55	6.14	3.27
10.5 V	170.1	125.4	105.9	67.31	38.10	22.80	15.86	13.09	10.97	7.49	6.08	3.21
10.8 V	153.5	114.3	97.63	66.16	37.20	22.39	15.43	12.79	10.77	7.36	6.02	3.15
11.1 V	131.1	102.2	87.58	61.94	35.34	21.39	14.75	12.17	10.31	7.05	5.84	2.96

## 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