



# 12LCP-30

12V 30Ah



Q-Batteries Akku 12LCP-30 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.

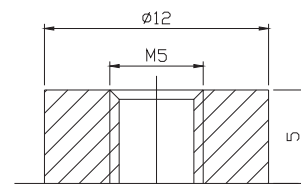
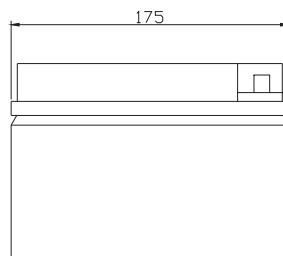
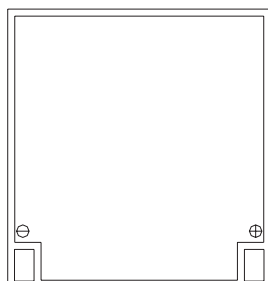
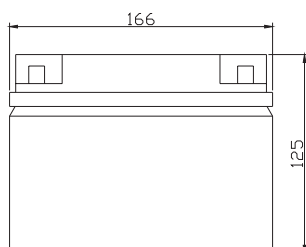


## Specification:

Voltage Per Unit	12 V		
Capacity	30 Ah	@20hr-rate to 1.8V per cell @25°C	
Cells Per Unit	6		
Weight	ca. 9 kg +/- 3%		
Max. Discharge Current	260 A (5 sec.)		
Internal Resistance	ca. 8 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	F13 (M5)		
Container Material	A.B.S. (UL94-HB)		

## Dimensions:

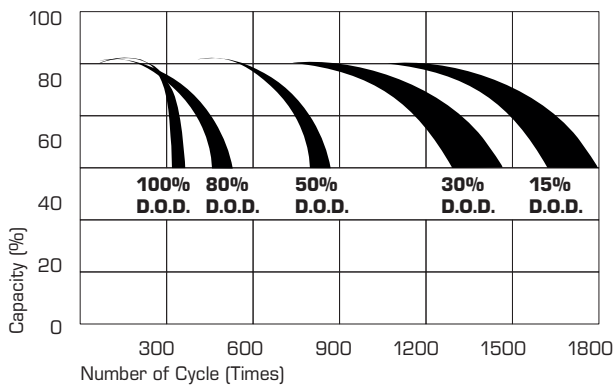
166 Length x 175 Width x 125 mm Height



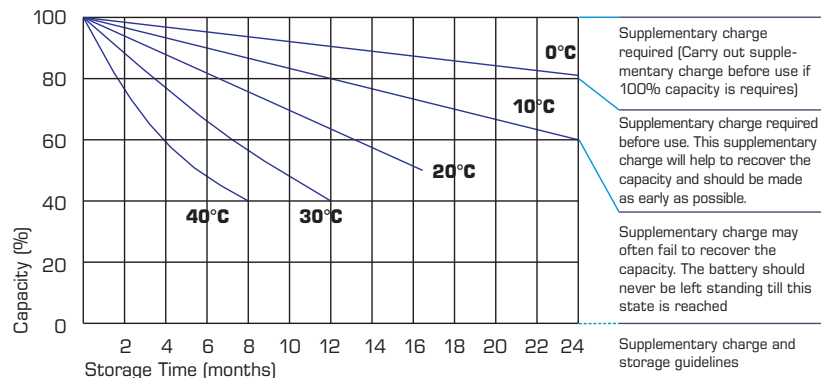
## Constant current discharge characteristics: A (25°C)

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	125.5	82.79	65.37	37.77	20.68	12.66	8.73	6.76	5.56	3.56	3.11	1.69
10.0 V	120.5	79.57	63.55	37.19	20.56	12.56	8.70	6.70	5.52	3.54	3.08	1.63
10.2 V	114.0	76.83	61.82	36.90	20.38	12.49	8.66	6.61	5.49	3.53	3.04	1.60
10.5 V	102.9	72.16	58.32	36.06	20.11	12.36	8.58	6.55	5.45	3.51	3.01	1.54
10.8 V	91.9	67.24	54.79	35.19	19.75	12.29	8.50	6.50	5.42	3.50	2.95	1.48
11.1 V	81.0	62.30	51.29	34.05	19.27	12.11	8.39	6.32	5.39	3.49	2.92	1.45

## 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