

12LC-67

12 V 67 Ah



Q-Batteries Akku 12LC-67 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 67 Ah @20hr-rate to 1.8V per cell @25°C

Cells Per Unit 6

Weight ca. 21 kg +/- 3% Max. Discharge Current 650 A (5 sec.) Internal Resistance ca. 6 m Ω

Operating Temperature Range Discharge: Charge: Storage:

Normal - 15°C - 50°C - 10°C - 50°C - 20°C - 50°C

Operating Temperature Range 25°C ± 5°C

Self Discharge Valve Regulated Lead Acid (VRLA) batteries can be stored for

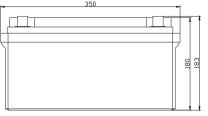
more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.

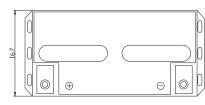
Terminal F11 (M6 bolt)

Container Material A.B.S. (UL94-HB)

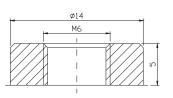
Dimensions:

350 Length x 167 Width x 180 mm Height







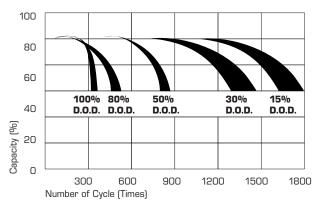




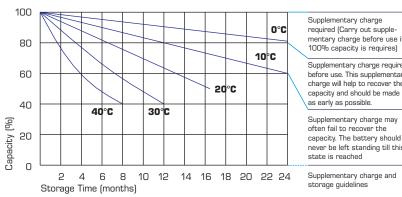
Constant current discharge characteristics: A (25°C)

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
213.4	157:1	122.5	74.65	41.41	24.76	17:10	14.16	11.92	8.145	6.756	3.605
207.3	149.5	120.0	73.36	41.21	24.58	17.03	14.10	11.85	8.079	6.691	3.539
201.1	144.2	118.1	72.01	40.83	24.39	16.90	14.03	11.78	8.013	6.626	3.474
180.6	133.1	112.5	71.46	40.45	24.20	16.84	13.90	11.64	7.947	6.561	3.408
163.0	121.4	103.7	70.24	39.49	23.77	16.38	13.57	11.43	7.814	6.496	3.343
139.2	108.5	92.98	65.76	37.52	22.71	15.66	12.92	10.94	7.483	6.301	3.146
	213.4 207.3 201.1 180.6 163.0	213.4 1571 207.3 149.5 2011 144.2 180.6 133.1 163.0 121.4	213.4 1571 122.5 207.3 149.5 120.0 2011 144.2 118.1 180.6 133.1 112.5 163.0 121.4 103.7	213.4 1571 122.5 74.65 207.3 149.5 120.0 73.36 201.1 144.2 118.1 72.01 180.6 133.1 112.5 71.46 163.0 121.4 103.7 70.24	213.4 1571 122.5 74.65 41.41 207.3 149.5 120.0 73.36 41.21 2011 144.2 118.1 72.01 40.83 180.6 133.1 112.5 71.46 40.45 163.0 121.4 103.7 70.24 39.49	213.4 1571 122.5 74.65 41.41 24.76 207.3 149.5 120.0 73.36 41.21 24.58 201.1 144.2 118.1 72.01 40.83 24.39 180.6 133.1 112.5 71.46 40.45 24.20 163.0 121.4 103.7 70.24 39.49 23.77	213.4 157.1 122.5 74.65 41.41 24.76 17.10 207.3 149.5 120.0 73.36 41.21 24.58 17.03 201.1 144.2 118.1 72.01 40.83 24.39 16.90 180.6 133.1 112.5 71.46 40.45 24.20 16.84 163.0 121.4 103.7 70.24 39.49 23.77 16.38	213.4 1571 122.5 74.65 41.41 24.76 17/10 14.16 207.3 149.5 120.0 73.36 41.21 24.58 17.03 14.10 2011 144.2 118.1 72.01 40.83 24.39 16.90 14.03 180.6 133.1 112.5 71.46 40.45 24.20 16.84 13.90 163.0 121.4 103.7 70.24 39.49 23.77 16.38 13.57	213.4 157.1 122.5 74.65 41.41 24.76 17.10 14.16 11.92 207.3 149.5 120.0 73.36 41.21 24.58 17.03 14.10 11.85 201.1 144.2 118.1 72.01 40.83 24.39 16.90 14.03 11.78 180.6 133.1 112.5 71.46 40.45 24.20 16.84 13.90 11.64 163.0 121.4 103.7 70.24 39.49 23.77 16.38 13.57 11.43	213.4 1571 122.5 74.65 41.41 24.76 1710 14.16 11.92 8.145 207.3 149.5 120.0 73.36 41.21 24.58 17.03 14.10 11.85 8.079 2011 144.2 118.1 72.01 40.83 24.39 16.90 14.03 11.78 8.013 180.6 133.1 112.5 71.46 40.45 24.20 16.84 13.90 11.64 7.947 163.0 121.4 103.7 70.24 39.49 23.77 16.38 13.57 11.43 7.814	213.4 1571 122.5 74.65 41.41 24.76 17.10 14.16 11.92 8.145 6.756 207.3 149.5 120.0 73.36 41.21 24.58 17.03 14.10 11.85 8.079 6.691 2011 144.2 118.1 72.01 40.83 24.39 16.90 14.03 11.78 8.013 6.626 180.6 133.1 112.5 71.46 40.45 24.20 16.84 13.90 11.64 7.947 6.561 163.0 121.4 103.7 70.24 39.49 23.77 16.38 13.57 11.43 7.814 6.496

Life characteristics of cyclic use:



Storage characteristic:



nentary charge before use if

Supplementary charge required before use. This supplementary charge will help to recover the capacity and should be made

never be left standing till this

Capacity Factors with different Temperature:

Batte	ery 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 + 0.1 CA x 12h
Fast	-0.2C x 2h + 0.3CA x 4.0h