

12LCP-36

12 V 36 Ah



Q-Batteries Akku 12LCP-36 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 36 Ah @20hr-rate to 1.8V per cell @25°C

Cells Per Unit 6

Weight ca. 10,2 kg +/- 3%

Max. Discharge Current 330 A (5 sec.)

Internal Resistance ca. 9 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

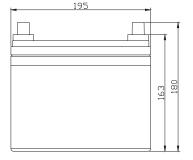
more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.

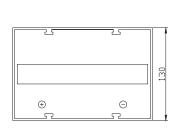
Terminal F11 (M6)

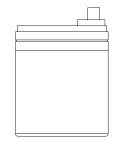
Container Material A.B.S. (UL94-HB)

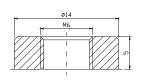
Dimensions:

195 Length x 130 Width x 163 mm Height







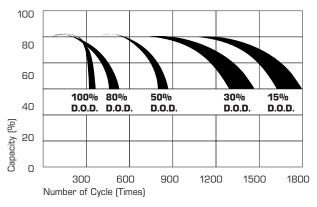




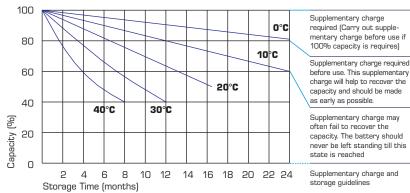
Constant current discharge characteristics: A (25°C)

5 Min.	10 Min.	15 Min.	30 Min.	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
118.3	86.35	65.52	39.20	23.16	13.46	9.301	7.908	6.415	4.226	3.505	1.943
114.9	82:16	64.18	38.52	23.06	13.36	9.266	7.871	6.377	4.191	3.471	1.908
111.5	79.26	63.17	38.01	22.84	13.25	9.194	7.834	6.340	4.157	3.437	1.873
100:11	73.14	60.15	37.53	22.63	13.15	9.159	7.761	6.264	4.122	3.404	1.837
90.36	66.69	55.11	36.88	22.10	12.92	8.909	7.578	6.151	4.054	3.370	1.802
77:15	59.60	49.07	34.53	20.99	12.34	8.517	7.212	5.887	3.882	3.269	1.696
	118.3 114.9 111.5 100.11 90.36	118.3 86.35 114.9 82.16 111.5 79.26 100.11 73.14 90.36 66.69	118.3 86.35 65.52 114.9 82.16 64.18 111.5 79.26 63.17 100.11 73.14 60.15 90.36 66.69 55.11	118.3 86.35 65.52 39.20 114.9 82.16 64.18 38.52 111.5 79.26 63.17 38.01 100.11 73.14 60.15 37.53 90.36 66.69 55.11 36.88	118.3 86.35 65.52 39.20 23.16 114.9 82.16 64.18 38.52 23.06 111.5 79.26 63.17 38.01 22.84 100.11 73.14 60.15 37.53 22.63 90.36 66.69 55.11 36.88 22.10	118.3 86.35 65.52 39.20 23.16 13.46 114.9 82.16 64.18 38.52 23.06 13.36 111.5 79.26 63.17 38.01 22.84 13.25 100.11 73.14 60.15 37.53 22.63 13.15 90.36 66.69 55.11 36.88 22.10 12.92	118.3 86.35 65.52 39.20 2316 13.46 9.301 114.9 82.16 64.18 38.52 23.06 13.36 9.266 111.5 79.26 63.17 38.01 22.84 13.25 9.194 100.11 73.14 60.15 37.53 22.63 13.15 9.159 90.36 66.69 55.11 36.88 22.10 12.92 8.909	118.3 86.35 65.52 39.20 23.16 13.46 9.301 7.908 114.9 82.16 64.18 38.52 23.06 13.36 9.266 7.871 111.5 79.26 63.17 38.01 22.84 13.25 9.194 7.834 100.11 73.14 60.15 37.53 22.63 13.15 9.159 7.761 90.36 66.69 55.11 36.88 22.10 12.92 8.909 7.578	118.3 86.35 65.52 39.20 23.16 13.46 9.301 7.908 6.415 114.9 82.16 64.18 38.52 23.06 13.36 9.266 7.871 6.377 111.5 79.26 63.17 38.01 22.84 13.25 9.194 7.834 6.340 100.11 73.14 60.15 37.53 22.63 13.15 9.159 7.761 6.264 90.36 66.69 55.11 36.88 22.10 12.92 8.909 7.578 6.151	118.3 86.35 65.52 39.20 23.16 13.46 9.301 7.908 6.415 4.226 114.9 82.16 64.18 38.52 23.06 13.36 9.266 7.871 6.377 4.191 111.5 79.26 63.17 38.01 22.84 13.25 9.194 7.834 6.340 4.157 100.11 73.14 60.15 37.53 22.63 13.15 9.159 7.761 6.264 4.122 90.36 66.69 55.11 36.88 22.10 12.92 8.909 7.578 6.151 4.054	118.3 86.35 65.52 39.20 23.16 13.46 9.301 7.908 6.415 4.226 3.505 114.9 82.16 64.18 38.52 23.06 13.36 9.266 7.871 6.377 4.191 3.471 111.5 79.26 63.17 38.01 22.84 13.25 9.194 7.834 6.340 4.157 3.437 100.11 73.14 60.15 37.53 22.63 13.15 9.159 7.761 6.264 4.122 3.404 90.36 66.69 55.11 36.88 22.10 12.92 8.909 7.578 6.151 4.054 3.370

Life characteristics of cyclic use:



Storage characteristic:



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