



## EV12-55(12V55Ah)



### Спецификации

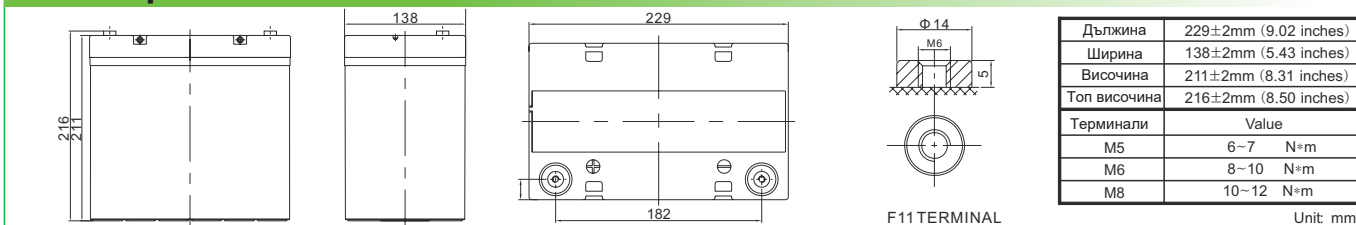
Клетки на батерия	6
Напрежение на батерия	12
Номинален капацитет	55Ah при 10ч разряд до 1.80V на кл. при 25°C
Тегло	Прбл.. 16.5 Kg (Tolerance ±3.0%)
Вътрешно съпротивление	Прбл.. 7.0 mΩ
Терминал	F15(M6)/F11(M6)
Макс. разряден ток	550A (5 sec)
Ток на късо съединение	1100A
Проектен живот	Long life 12 years
Референтен капацитет	C3 42.6AH
	C5 48.1AH
	C10 55.0AH
	C20 58.2AH
Подзарядно напрежение	13.7 V~13.9 V при 25°C Температурна компенсация: -3mV/°C/ел.
Напреж. при цикли	14.6 V~14.8 V при 25°C Температурна компенсация: -4mV/°C/ ел.
Допустима работна температура	Разряд: -20°C~ 60°C Заряд: 0°C~ 50°C Съхран.: -20°C~ 60°C
Нормална работна температура	25°C ±5°C
Саморазряд	RITAR Valve Regulated Lead Acid (VRLA) батерии могат да се складират до 6 месеца при 25°C и след това задължително трябва да се заредят. Саморазрядът е в рамките на 3% на месец при 25°C
Материал на кутията	A.B.S. UL94-HB, UL94-V0 Optional.



Серията EV (Electric Vehicle) е специално проектирана за приложение с често разреждане в дълбок цикъл. Чрез използването на специално проектирани активен материал, здрави решетки и дебела плоча конструкция, батерията от серията EV предлага надеждна работа в ситуации с високо натоварване и производителност.



### Размери



#### Характеристики при постоянен разряден ток A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	185.0	139.6	105.0	61.43	35.04	20.04	15.53	12.20	10.39	6.98	5.80	3.04
1.65V	178.3	131.9	100.4	58.98	33.78	19.40	15.05	11.87	10.12	6.90	5.73	2.99
1.70V	169.6	121.4	94.1	56.37	32.71	18.76	14.64	11.55	9.85	6.80	5.65	2.95
1.75V	158.5	111.2	87.52	53.88	31.55	18.11	14.20	11.26	9.61	6.70	5.57	2.91
1.80V	144.4	100.6	80.81	51.50	29.38	17.46	13.76	10.93	9.36	6.59	5.50	2.89
1.85V	127.0	82.24	67.06	44.36	26.35	16.00	12.72	10.16	8.73	6.18	5.18	2.74

#### Характеристика при разряд с постоянна мощност: W на елемент (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	318.4	237.3	183.6	111.6	63.8	38.0	29.7	23.4	20.0	13.6	11.4	5.98
1.65V	315.1	228.6	178.1	108.2	61.9	37.0	28.9	22.9	19.6	13.5	11.3	5.89
1.70V	303.1	214.3	169.3	104.5	60.3	35.9	28.2	22.3	19.1	13.3	11.1	5.83
1.75V	288.2	199.7	159.9	100.9	58.5	34.8	27.5	21.9	18.7	13.2	11.0	5.76
1.80V	267.2	183.9	149.7	97.4	56.5	33.8	26.7	21.3	18.3	13.0	10.9	5.71
1.85V	239.3	153.0	126.0	84.7	51.0	31.1	24.8	19.9	17.1	12.2	10.2	5.43

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

The battery must be fully charged before the capacity test. The C<sub>10</sub> should reach 95% after the first cycle and 100% after the third cycle.



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## Specification



EV ( Electric Vehicle ) series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the EV series battery offers reliable performance in high load situations and could provide competitive cycle performance.

Cells Per Unit	6
Voltage Per Unit	12
Capacity	55Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 16.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 7.0 mΩ
Terminal	F15(M6)/F11(M6)
Max. Discharge Current	550A (5 sec)
Cold Cranking Ampere(CCA)	360A
Design Life	Long life 12 years
Reference Capacity	C3 42.6AH C5 48.1AH C10 55.0AH C20 58.2AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



## Dimensions

Length	229±2mm (9.02 inches)
Width	138±2mm (5.43 inches)
Height	211±2mm (8.31 inches)
Total Height	216±2mm (8.50 inches)
Terminal	Value
M5	6~7 N=m
M6	8~10 N=m
M8	10~12 N=m

Unit: mm

### Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	185.0	139.6	105.0	61.43	35.04	20.04	15.53	12.20	10.39	6.98	5.80	3.04
1.65V	178.3	131.9	100.4	58.98	33.78	19.40	15.05	11.87	10.12	6.90	5.73	2.99
1.70V	169.6	121.4	94.1	56.37	32.71	18.76	14.64	11.55	9.85	6.80	5.65	2.95
1.75V	158.5	111.2	87.52	53.88	31.55	18.11	14.20	11.26	9.61	6.70	5.57	2.91
1.80V	144.4	100.6	80.81	51.50	29.38	17.46	13.76	10.93	9.36	6.59	5.50	2.89
1.85V	127.0	82.24	67.06	44.36	26.35	16.00	12.72	10.16	8.73	6.18	5.18	2.74

### Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	318.4	237.3	183.6	111.6	63.8	38.0	29.7	23.4	20.0	13.6	11.4	5.98
1.65V	315.1	228.6	178.1	108.2	61.9	37.0	28.9	22.9	19.6	13.5	11.3	5.89
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