



# EVX 1272

## 12V 7.2Ah

EVX 1272 is designed specially for electric vehicles, such as electric golf cart, electric wheelchair, mower, dust collector...etc. It has high cycling life, high efficiency and long service life.



### Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	7.2Ah @ 20hr-rate to 1.75V per cell @25 °C (77°F)
Weight	Approx. 2.55 kg(5.62 lbs)
Maximum Discharge Current	100A/130A(5sec)
Internal Resistance	Approx. 26mΩ
Operating Temperature Range	Discharge: -15°C~50°C ( 5°F~122°F) Charge: -15 °C~40°C ( 5°F~104°F) Storage: -15°C~40°C ( 5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C(77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging	2.16A
Current Limit	
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
Self Discharge	CSB Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	F1/F2-Faston Tab187/250
Container Material	ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.



MH14533(N)



ISO9001

No :041005117

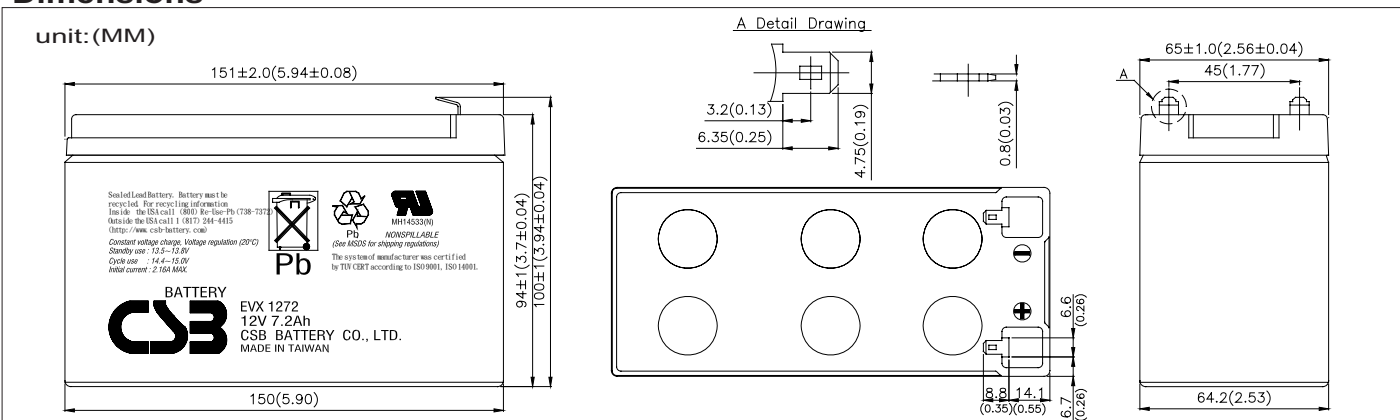


ISO 14001

NO.UM 1-12-0045

CSB-manufactured batteries are UL-recognized components under UL924 and UL1989. CSB is also certified by ISO 9001 and ISO 14001.

### Dimensions



### Constant Current Discharge Characteristics Unit:A (25°C , 77°F)

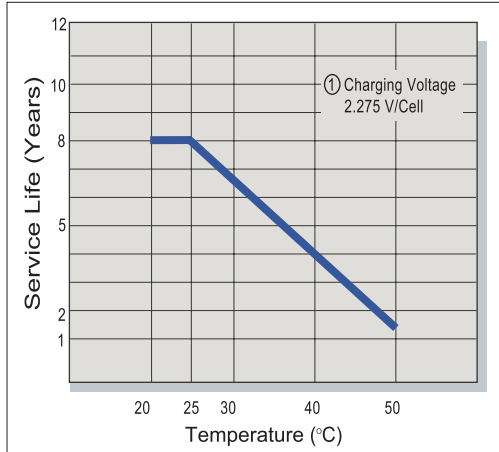
F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	7.01	4.19	3.08	2.49	1.79	1.44	1.20	0.820	0.680	0.395
1.67V	6.79	4.04	2.98	2.40	1.73	1.39	1.16	0.785	0.652	0.381
1.70V	6.57	3.91	2.89	2.34	1.68	1.36	1.13	0.770	0.640	0.375
1.75V	6.38	3.80	2.81	2.27	1.63	1.32	1.10	0.745	0.620	0.360
1.80V	6.20	3.70	2.73	2.19	1.58	1.28	1.07	0.720	0.600	0.345
1.85V	6.00	3.58	2.65	2.13	1.53	1.24	1.04	0.695	0.580	0.330

### Constant Power Discharge Characteristics Unit:W (25°C , 77°F)

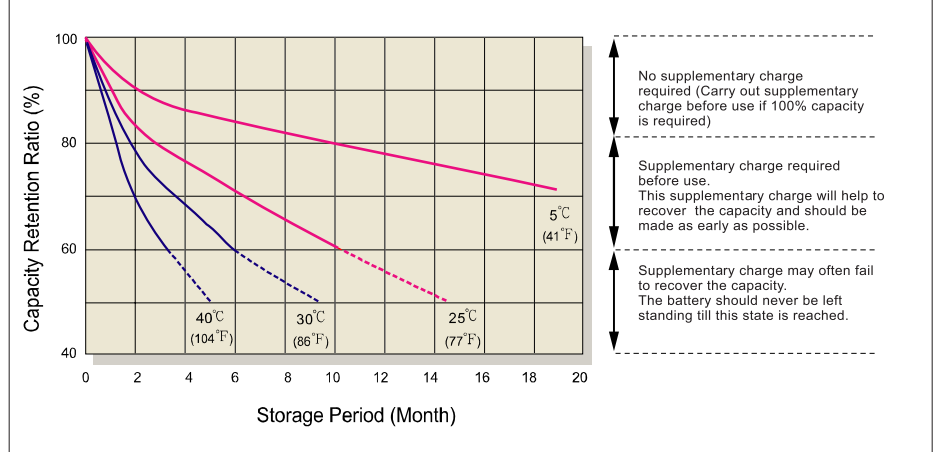
F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	84.1	50.3	37.0	29.6	21.5	17.3	14.4	9.81	8.20	4.53
1.67V	81.4	48.8	35.8	28.8	20.9	16.8	14.0	9.50	7.86	4.35
1.70V	79.2	47.3	34.8	27.9	20.2	16.3	13.6	9.24	7.72	4.27
1.75V	76.8	45.9	33.8	27.1	19.6	15.8	13.2	8.96	7.49	4.14
1.80V	74.4	44.4	32.7	26.2	19.0	15.3	12.8	8.67	7.25	4.00
1.85V	72.0	43.0	31.7	25.4	18.4	14.8	12.4	8.39	7.02	3.87

- All mentioned values are average values.
- Tolerance: X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X<60min(+8%~-8%), X ≥ 60min(+5%~-5%)

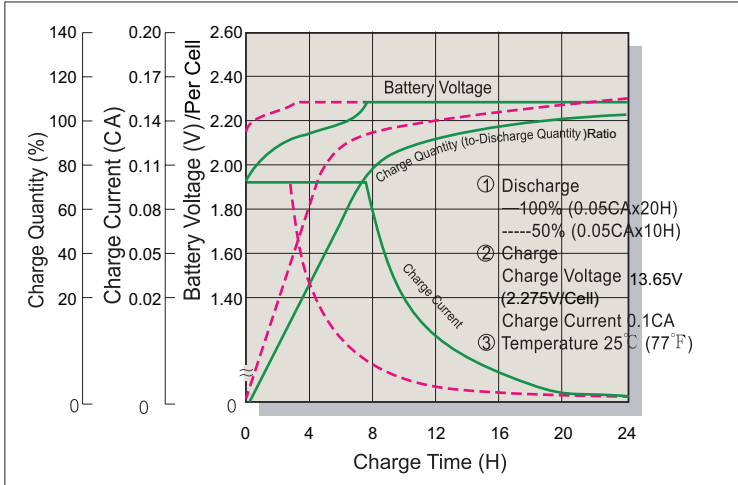
### Trickle (or Float) Service Life



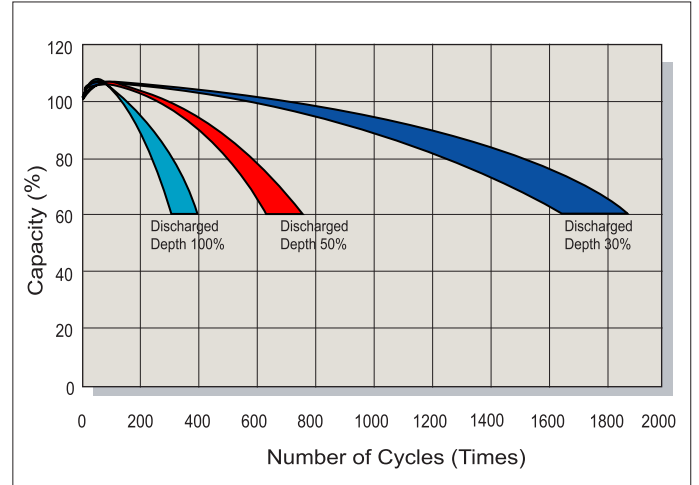
### Capacity Retention Characteristic



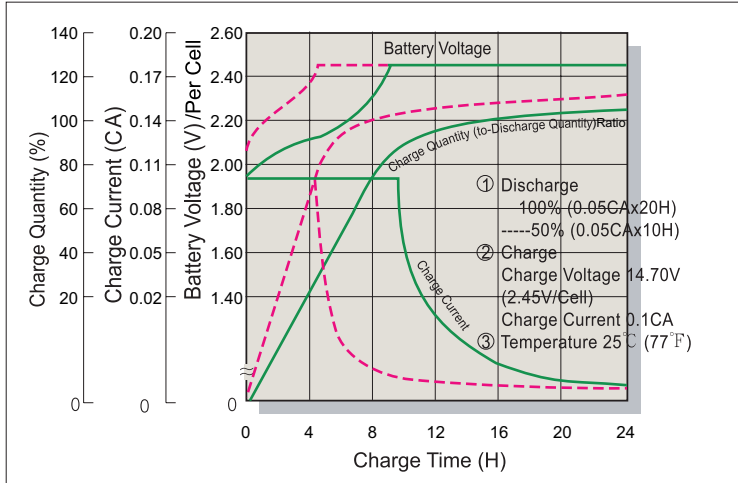
### Battery Voltage and Charge Time for Standby Use



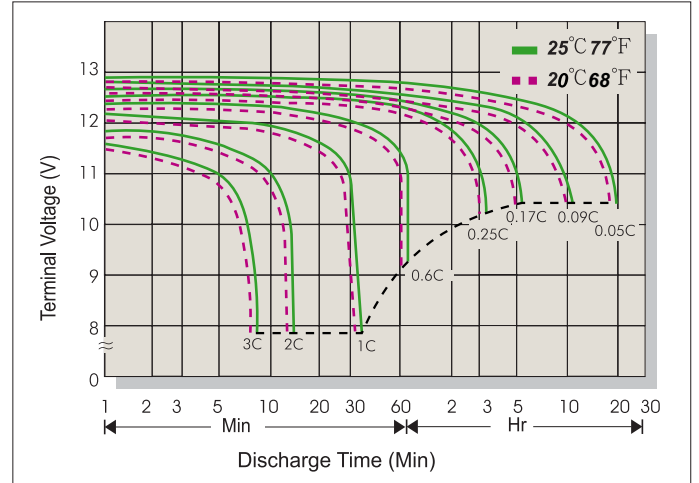
### Series Cycle Service Life



### Battery Voltage and Charge Time for Cycle Use



### Terminal Voltage (V) and Discharge Time



### Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.3C
Standby	25°C(77°F)	2.275	2.25~2.30	

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

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