EVX 12340

12V 34.0Ah

EVX 12340 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	34Ah @ 20hr-rate to 1.75V per cell @25℃(77℉)
Weight	Approx. 13.3kg(29.3 lbs)
Maximum Discharge Current	400A(5sec)
Internal Resistance	Approx. 9mΩ
Operating Temperature Range	Discharge: -20℃~50℃(-4℉~122℉) Charge: 0℃~40℃(32℉~104℉) Storage: -20℃~40℃(-4℉~104℉)
Nominal Operating Temperature Range	25℃±3℃(77℉±5℉)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25℃(77℉)
Recommended Maximum Charging Current Limit	10.2A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25℃(77℉)
Self Discharge	CSB Batteries can be stored for more than 6 months at 25℃(77℉). Please charge batteries before using. For higher temperatures the time interval will be shorter.
Terminal	Bolt & Nut
Container Material	-ABS (UL94-HB)*Flammability resistance of UL94-V2 can be available upon request.

MH14533(N)

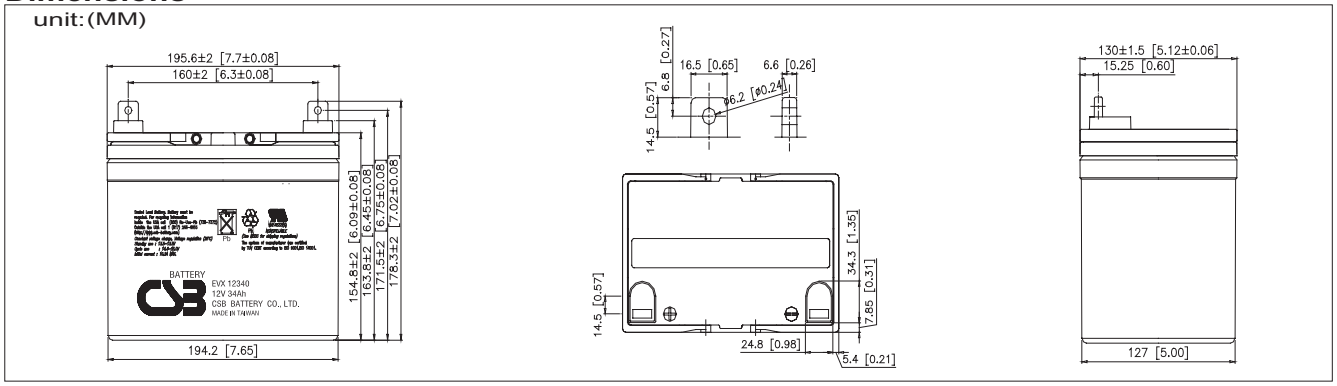
TÜV CERT ISO 9001 No.:041005117

RWTUV 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

unit:(MM)



Constant Current Discharge Characteristics Unit:A (25℃,77℉)

F.V.	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	34.5	20.2	14.6	12.3	8.25	6.53	5.39	3.63	3.00	1.63
1.67V	33.3	19.7	14.4	12.1	8.19	6.52	5.34	3.55	2.91	1.54
1.70V	32.8	19.5	14.3	12.0	8.17	6.51	5.32	3.51	2.87	1.50
1.75V	31.8	19.1	14.0	11.8	8.05	6.40	5.24	3.46	2.83	1.48
1.80V	30.8	18.7	13.8	11.6	7.93	6.29	5.15	3.41	2.78	1.45
1.85V	29.9	18.3	13.5	11.4	7.81	6.18	5.07	3.36	2.74	1.43

Constant Power Discharge Characteristics Unit:W (25℃,77℉)

F.V.	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	414	242	175	147	99.0	78.4	64.7	43.6	36.0	19.5
1.67V	399	236	173	145	98.3	78.2	64.1	42.6	34.9	18.5
1.70V	393	234	172	144	98.0	78.1	63.8	42.1	34.4	18.0
1.75V	382	229	169	142	96.6	76.8	62.8	41.5	33.9	17.7
1.80V	370	224	165	139	95.1	75.5	61.8	40.9	33.4	17.4
1.85V	359	219	162	137	93.7	74.2	60.8	40.3	32.9	17.1

- All mentioned values are average values.

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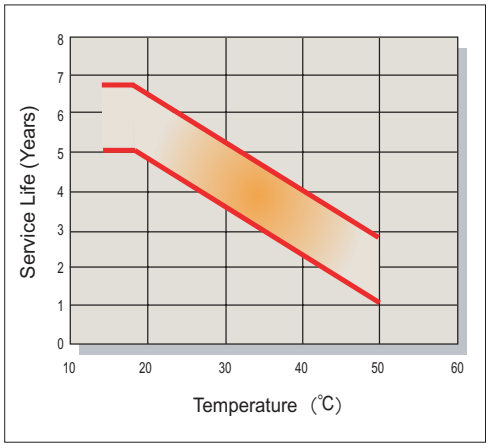
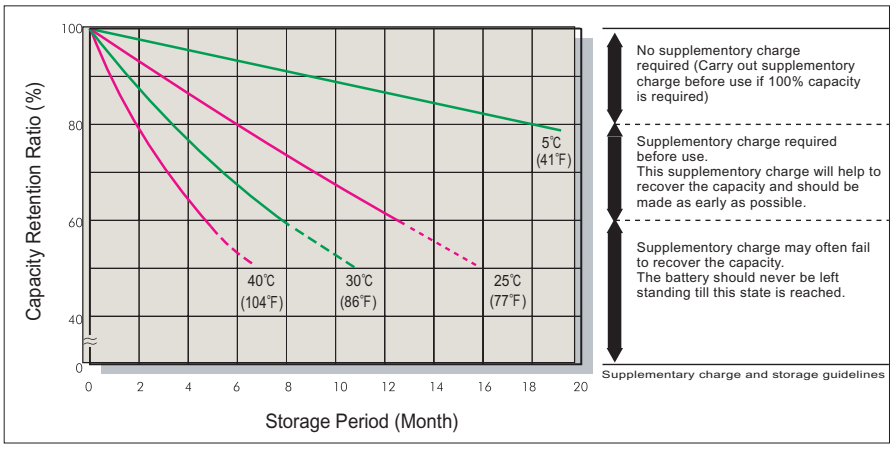
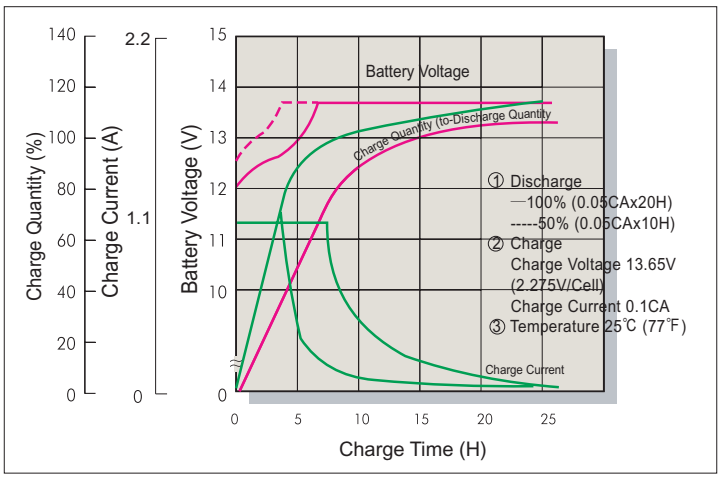
Trickle (or Float) Service Life



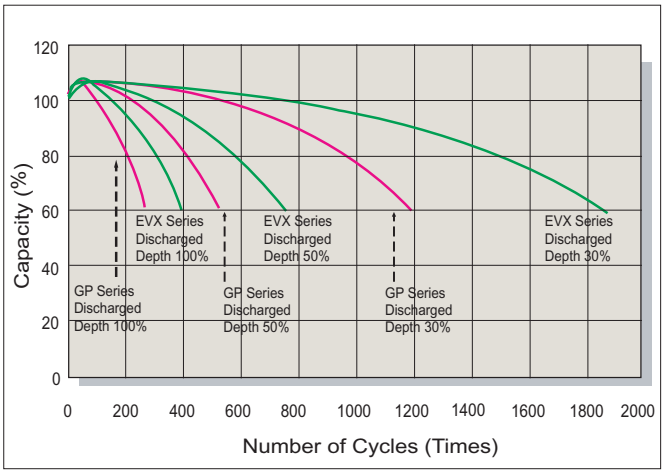
Capacity Retention Characteristic



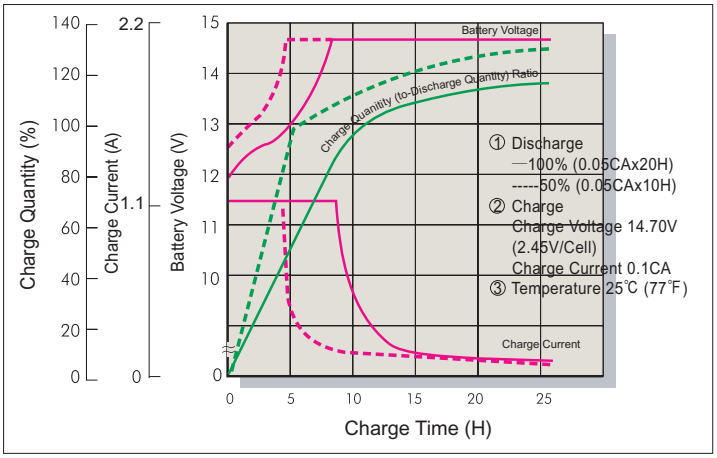
Battery Voltage and Charge Time for Standby Use



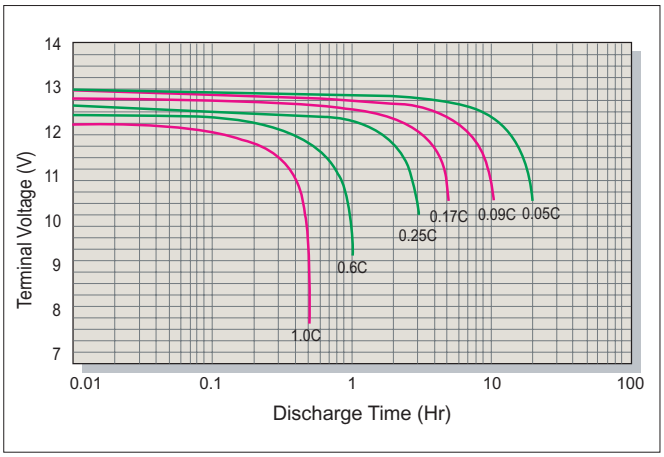
GP & EVX Series Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time (25℃77℉)



Charging Procedures

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

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.55	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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