

EVX 12340

12V 34Ah

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.



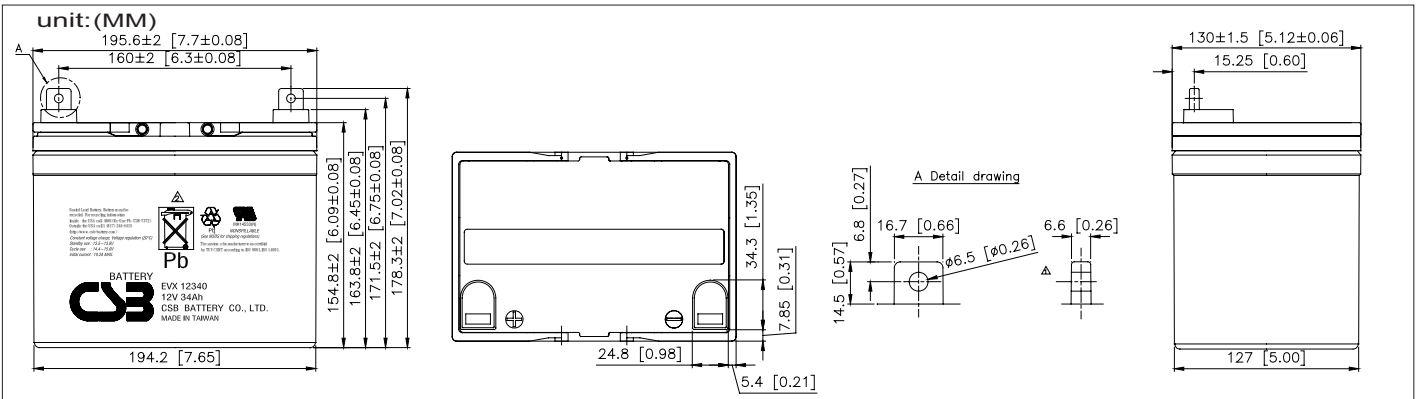
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	34Ah @ 20hr-rate to 1.75V per cell @25 °C (77°F)
Weight	Approx. 10.77 kg(23.74 lbs)
Maximum Discharge Current	400A(5sec)
Internal Resistance	Approx. 8.5 mΩ
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	10.2A
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	B5-L terminal to accept M6 nut & bolt
Container Material	ABS(UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.



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)

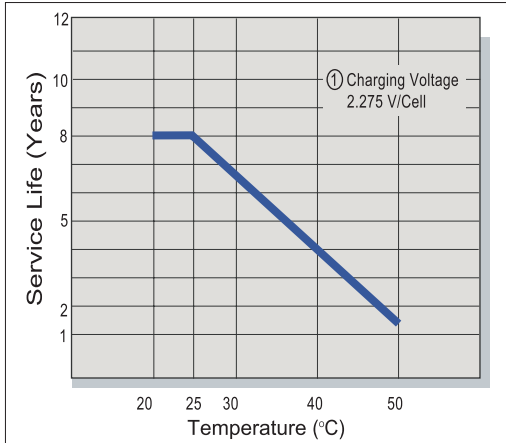
F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	34.5	20.2	14.6	11.6	8.25	6.53	5.39	3.63	3.06	1.85
1.67V	33.6	19.8	14.5	11.5	8.19	6.49	5.34	3.57	3.02	1.80
1.70V	32.8	19.5	14.3	11.3	8.12	6.42	5.28	3.51	2.95	1.76
1.75V	31.8	19.1	14.0	11.2	8.02	6.36	5.22	3.46	2.90	1.72
1.80V	30.8	18.7	13.8	11.0	7.86	6.27	5.14	3.41	2.86	1.69
1.85V	29.9	18.3	13.5	10.8	7.74	6.12	5.07	3.36	2.82	1.65

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

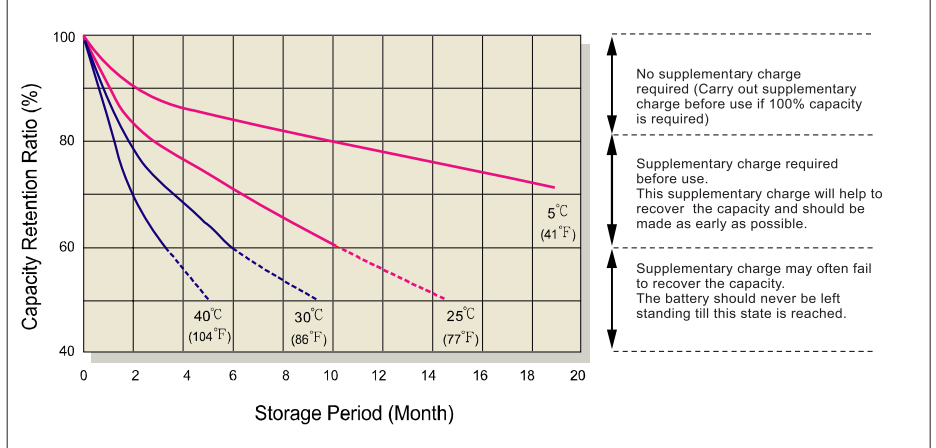
F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	414	242	175	141	99.0	78.4	64.7	43.6	36.0	19.5
1.67V	404	238	173	139	98.3	78.0	64.1	42.8	35.3	19.0
1.70V	393	234	171	137	97.4	77.4	63.4	42.2	34.6	18.5
1.75V	382	229	168	135	96.3	76.5	62.6	41.5	33.9	18.0
1.80V	370	224	165	132	95.1	75.5	61.8	40.9	33.4	17.6
1.85V	359	219	162	130	93.7	74.2	60.8	40.3	32.9	17.1

● 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%)

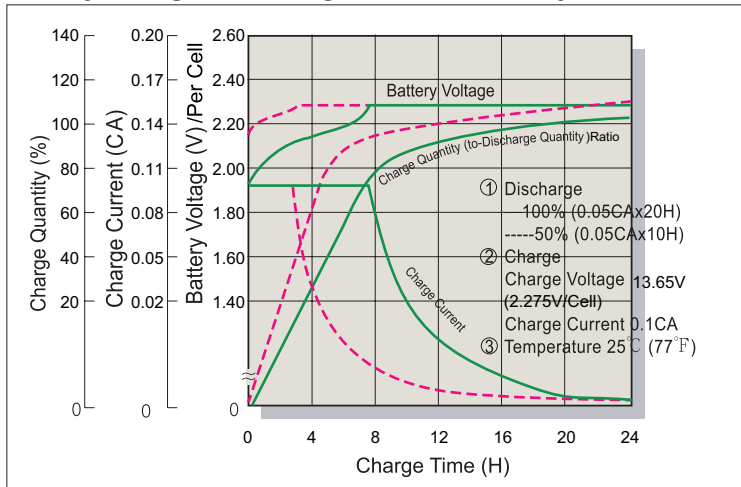
Trickle (or Float) Service Life



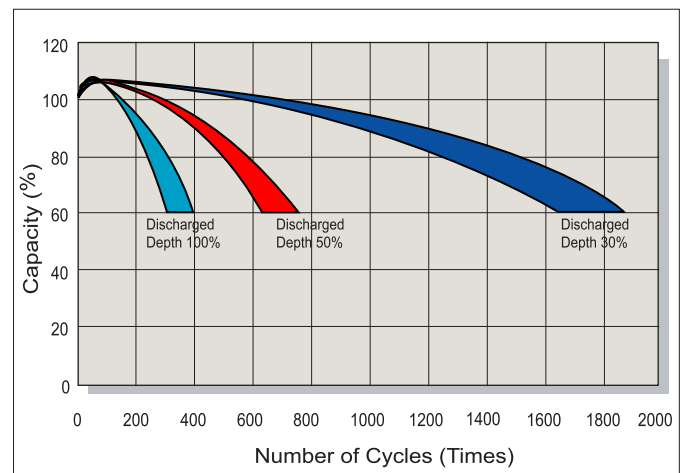
Capacity Retention Characteristic



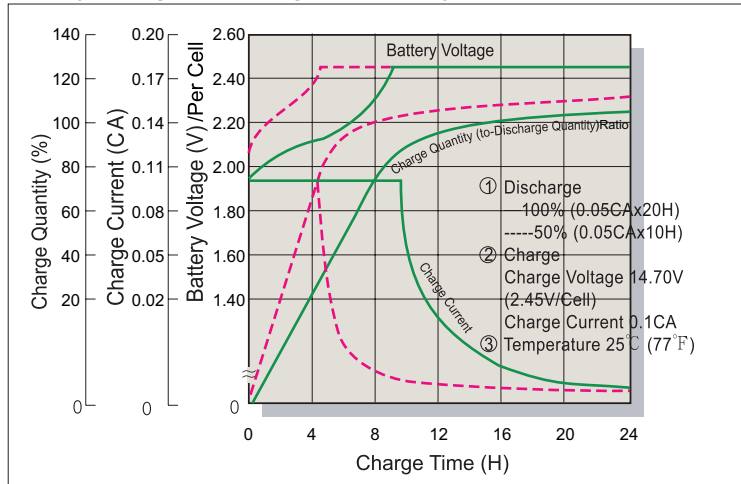
Battery Voltage and Charge Time for Standby Use



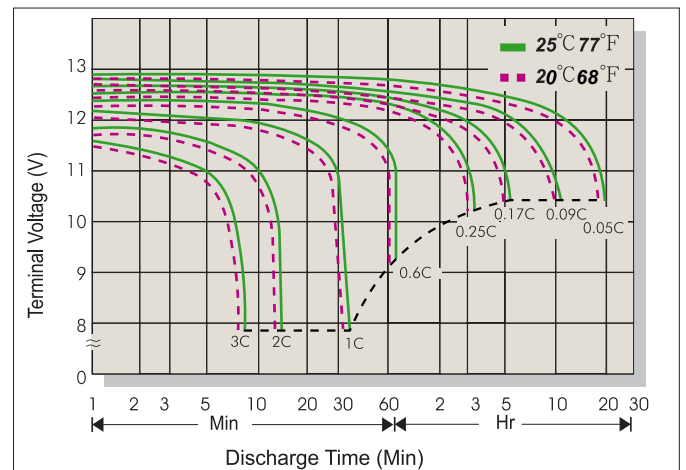
Series Cycle Service Life



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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