



# EVX series EVX 1272



## Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Cyclic Applications

#### 【Design Life】

- 400 cycles @ 100%DOD at 25°C
- 1800 cycles @ 30%DOD at 25°C

#### 【Operating Temperature Range】

- Nominal Operating Temperature : 25°C (77°F)
- 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)

#### 【Equalization Charging Voltage】

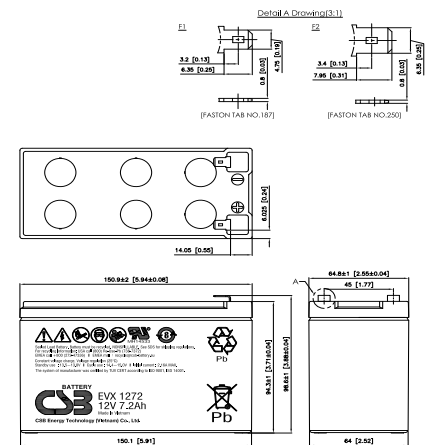
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

#### 【Self Discharge】

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

### Specification

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	7.2 AH @20HR-rate to 1.75V per cell @25°C (77°F)	
Weight	Approx. 2.55 Kg (5.62 lbs)	
Maximum Discharge Current	100/130A (5sec)	
Internal Resistance	Approx. 23.9 mΩ	
Short Circuit Current	--	
Maximum Charge Current	2.16A	
Terminal types	F1/F2-Faston Tab187/250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB)	
Dimensions	Length (L)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	64.8±1.0 mm 2.55±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.0 mm 3.88±0.06 inch



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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	7.01	5.19	4.19	3.08	2.49	1.79	1.44	1.20	1.04	0.82	0.68	0.40
1.67V	6.79	5.01	4.04	2.98	2.40	1.73	1.39	1.16	1.00	0.79	0.65	0.38
1.70V	6.57	4.85	3.91	2.89	2.34	1.68	1.36	1.13	0.97	0.77	0.64	0.38
1.75V	6.38	4.71	3.80	2.81	2.27	1.63	1.32	1.10	0.95	0.75	0.62	0.36
1.80V	6.20	4.58	3.70	2.73	2.19	1.58	1.28	1.07	0.92	0.72	0.60	0.35
1.85V	6.00	4.44	3.58	2.65	2.13	1.53	1.24	1.04	0.89	0.70	0.58	0.33

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

F.V/Time	30MIN	45MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
1.60V	84.1	62.3	50.3	37.0	29.6	21.5	17.3	14.4	12.4	9.81	8.20	4.53
1.67V	81.4	60.3	48.8	35.8	28.8	20.9	16.8	14.0	12.0	9.50	7.86	4.35
1.70V	79.2	58.6	47.3	34.8	27.9	20.2	16.3	13.6	11.7	9.24	7.72	4.27
1.75V	76.8	56.8	45.9	33.8	27.1	19.6	15.8	13.2	11.4	8.96	7.49	4.14
1.80V	74.4	55.0	44.4	32.7	26.2	19.0	15.3	12.8	11.0	8.67	7.25	4.00
1.85V	72.0	53.3	43.0	31.7	25.4	18.4	14.8	12.4	10.7	8.39	7.02	3.87

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

Issued: 200930

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Recognized under UL 1989,  
and certified by ISO 9001, 14001, 45001, 50001.



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