



EVX series

EVX 12750 12V 75AH

Valve Regulated Lead Acid Battery

Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

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)

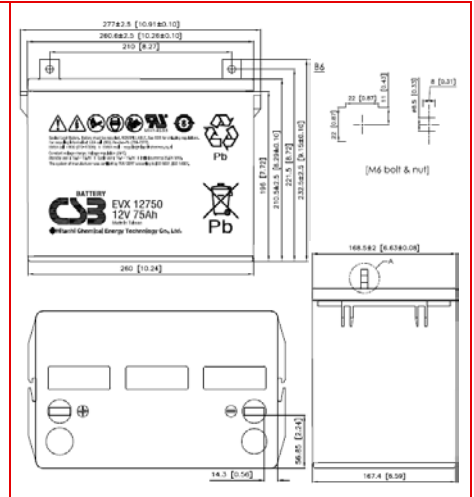
【Self Discharge】

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	75 AH @20HR-rate to 1.75V per PCS @25°C (77°F)		
Weight	Approx. 25.60 Kg (56.38 lbs)		
Maximum Discharge Current	500A (5sec)		
Internal Resistance	Approx. 4.7 mΩ		
Short Circuit Current	--		
Maximum Charge Current	22.50A		
Terminal types	B6 terminal to accept M6 bolt		
Terminal hardware Torque	138.6 Kgf-cm / 120.3 lbf-in / 13.58 N-m		
Container Material	PP (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	277.0±2.5 mm	10.91±0.10 inch
	Width (W)	168.5±2.0 mm	6.63±0.08 inch
	Container Height (h)	210.5±2.5 mm	8.29±0.10 inch
	Overall Height (H)	232.5±2.5 mm	9.15±0.10 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
1.67V	83.2	61.3	49.3	35.7	28.1	19.9	15.6	12.8	10.8	8.35	6.82	3.84
1.70V	81.6	60.3	48.6	35.2	27.6	19.7	15.4	12.7	10.7	8.25	6.74	3.80
1.75V	80.1	59.2	47.8	34.6	27.2	19.4	15.2	12.5	10.6	8.15	6.67	3.77
1.80V	78.1	57.9	46.8	33.9	26.7	19.2	15.0	12.4	10.5	8.07	6.60	3.75
1.83V	75.8	56.4	45.7	33.2	26.2	18.9	14.8	12.2	10.3	7.98	6.54	3.72
1.85V	73.3	54.7	44.4	32.5	25.7	18.6	14.6	12.0	10.2	7.89	6.47	3.68

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
1.67V	924	673	538	392	313	226	177	146	124	95.2	77.5	41.4
1.70V	906	664	532	386	309	223	175	144	122	94.3	77.0	41.2
1.75V	887	652	524	380	304	219	172	142	121	93.4	76.4	41.0
1.80V	863	637	513	373	299	216	170	140	119	92.3	75.7	40.7
1.83V	839	620	500	367	293	213	168	139	118	91.3	75.0	40.6
1.85V	813	600	484	359	288	210	165	137	117	90.3	74.2	39.8

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

Issued: 161101

Sales Offices

日立化成能源科技股份有限公司
Hitachi Chemical Energy Technology Co., Ltd.

BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600

Fax: +866-2-2888-3300

USA OFFICE

Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)

Fax: +1-817-244-4445

SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488, 8831-6775

Fax: +86-755-8831-6075

EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140

Fax: +31(0)180-418-327

SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622, 5046-0833

Fax: +86-21-5046-1046

TAIPEI OFFICE

Tel: +886-2-2880-5600

Fax: +866-2-2888-3300

BEIJING OFFICE (CHINA)

Tel: +86-10-5820-5336, 5820-5338

Fax: +86-10-5820-3053

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

