



**EVX series**  
**EVX 12750** 12V75AH



**Valve Regulated Lead Acid Battery**

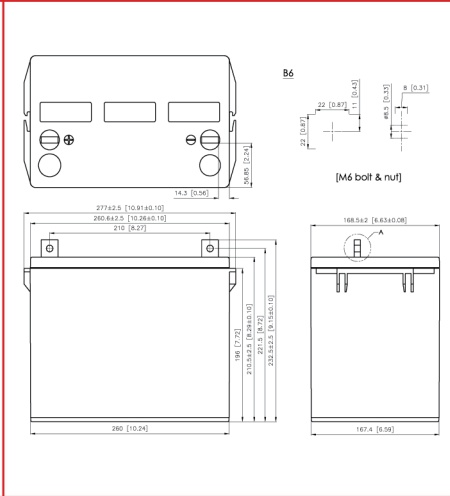
Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

**Design for Cyclic Applications**

<p><b>【Design Life】</b> 400 cycles @ 100%DOD at 25°C 1800 cycles @ 30%DOD at 25°C</p> <p><b>【Operating Temperature Range】</b> 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)</p>	<p><b>【Equalization Charging Voltage】</b> 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)</p> <p><b>【Self Discharge】</b> 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).</p>
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**Specification**

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	75 AH @20HR-rate to 1.75V per cell@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 Breaking Torque	138.6 Kgf·cm / 120.3 lbf·in / 13.58 N·m		
Container Material	PP (UL 94-HB)		
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
1.60V	83.2	61.3	49.3	35.7	28.1	19.9	15.6	12.8	10.8	8.35	6.82	3.84
1.67V	81.6	60.3	48.6	35.2	27.6	19.7	15.4	12.7	10.7	8.25	6.74	3.80
1.70V	80.1	59.2	47.8	34.6	27.2	19.4	15.2	12.5	10.6	8.15	6.67	3.77
1.75V	78.1	57.9	46.8	33.9	26.7	19.2	15.0	12.4	10.5	8.07	6.60	3.75
1.80V	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
1.60V	924	673	538	392	313	226	177	146	124	95.2	77.5	41.4
1.67V	906	664	532	386	309	223	175	144	122	94.3	77.0	41.2
1.70V	887	652	524	380	304	219	172	142	121	93.4	76.4	41.0
1.75V	863	637	513	373	299	216	170	140	119	92.3	75.7	40.7
1.80V	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.

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