



EVX series

EVX 12520 12V 52AH

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)

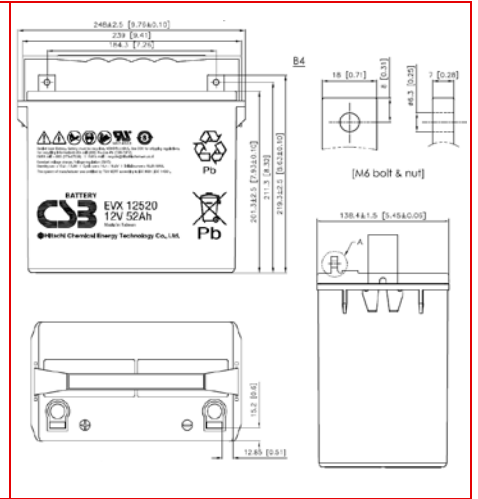
【Self Discharge】

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	52 AH @20HR-rate to 1.75V per PCS @25°C (77°F)		
Weight	Approx. 18.30 Kg (40.30 lbs)		
Maximum Discharge Current	500A (5sec)		
Internal Resistance	Approx. 5.2 mΩ		
Short Circuit Current	--		
Maximum Charge Current	15.60A		
Terminal types	B4 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)	248.0±2.5 mm	9.76±0.10 inch
	Width (W)	138.4±1.5 mm	5.45±0.06 inch
	Container Height (h)	201.3±2.5 mm	7.93±0.10 inch
	Overall Height (H)	219.3±2.5 mm	8.63±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	64.9	46.6	36.8	27.0	21.0	14.8	11.7	9.60	8.30	6.60	5.42	2.84
1.70V	63.5	45.9	36.4	26.8	20.8	14.6	11.6	9.52	8.22	6.52	5.36	2.80
1.75V	62.1	45.0	35.8	26.5	20.6	14.5	11.5	9.45	8.15	6.45	5.29	2.76
1.80V	60.6	44.1	35.2	26.1	20.3	14.3	11.4	9.37	8.05	6.34	5.21	2.72
1.83V	59.2	43.3	34.7	25.6	20.1	14.2	11.3	9.26	7.94	6.22	5.12	2.68
1.85V	57.8	42.5	34.2	25.1	19.9	14.1	11.2	9.16	7.83	6.11	5.03	2.62

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	668	485	386	284	221	154	124	102	88.6	70.9	58.7	33.6
1.70V	656	478	382	281	219	153	123	101	87.7	70.2	58.1	33.1
1.75V	645	472	378	277	217	152	122	100	86.8	69.4	57.4	32.5
1.80V	631	463	372	273	214	151	121	99.0	85.9	68.6	56.7	31.8
1.83V	615	455	368	269	212	150	120	98.1	84.9	67.6	55.8	31.1
1.85V	598	447	363	264	209	149	119	97.0	83.6	66.1	54.8	30.4

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

Issued: 161101

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

