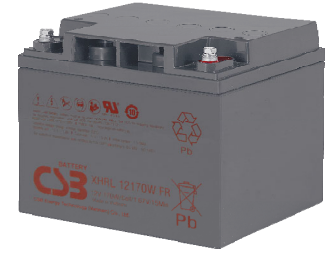




XHRL series

XHRL 12170W



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 Standby Power Applications

【Design Life】

Up to 10 Years in Standby Service at 25°C
Eurobat (20°C) : 10/12 YEARS LONG LIFE

【 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)

【 Float Charging Voltage】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

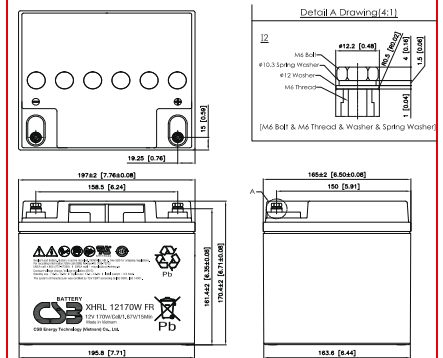
【 Self Discharge】

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

Design according with IEC 60896-21/22:2004

Nominal Voltage	12V (6 cells per unit)		
Nominal Capacity	170W @15min-rate to 1.67V per cell @25°C (77°F)		
Weight	Approx. 13.58 Kg (29.94 lbs)		
Maximum Discharge Current	400A		
Internal Resistance	Approx. 6.33 mΩ		
Short Circuit Current	1243A		
Maximum Charge Current	17A		
Terminal types	I2 thread lead alloy terminal to accept M6 bolt		
Terminal tightening torque	51.7±10.3 Kgf·cm / 44.9±9.0 Lbf·in / 5.1±1.0 N·m		
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request		
Dimensions	Length (L)	197.0±2.0 mm	7.76±0.08 inch
	Width (W)	165.0±2.0 mm	6.50±0.08 inch
	Container Height (h)	170.4±2.0 mm	6.71±0.08 inch
	Overall Height (H)	170.4±2.0 mm	6.71±0.08 inch



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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	289	224	202	185	155	133	98.1	78.2	56.2	40.4	32.0	23.0
1.67V	257	204	187	173	147	128	95.9	77.0	55.6	40.1	31.8	22.9
1.70V	240	194	179	165	142	125	94.4	76.0	55.1	39.9	31.6	22.8
1.75V	215	177	162	150	133	117	90.8	73.4	53.9	39.3	31.2	22.6
1.80V	177	156	146	137	121	107	84.4	68.7	51.5	38.1	30.4	22.1
1.85V	137	132	130	119	104	94.1	74.5	61.9	47.7	35.6	28.6	20.9

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

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	2821	2250	2061	1882	1630	1411	1059	855	632	463	368	267
1.67V	2616	2114	1928	1784	1578	1363	1042	844	627	461	366	265
1.70V	2472	2028	1860	1733	1534	1333	1029	835	623	459	365	265
1.75V	2219	1872	1743	1644	1439	1265	990	810	611	453	361	263
1.80V	2001	1707	1622	1530	1315	1169	922	765	588	440	353	258
1.85V	1627	1566	1420	1310	1154	1045	826	699	553	414	335	246

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

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Sales Offices

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