



MSJ series MSJ-800



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 20 Years in Standby Service at 25°C
Eurobat (20°C) : >12 YEARS VERY 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】

2.21 ~ 2.25 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

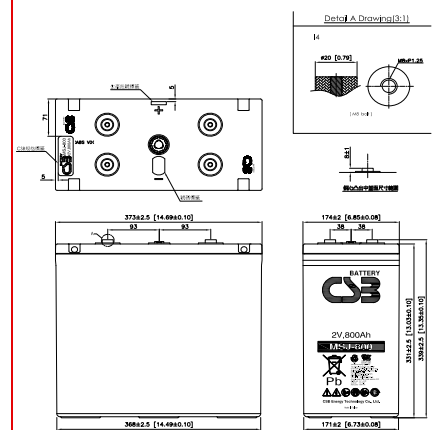
2.35 VDC/Unit at 25°C (77°F)

【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	2V (single cell per unit)		
Nominal Capacity	800 Ah @10hr-rate to 1.80V per cell @25°C (77°F)		
Weight	Approx. 56.70 Kg (124.97 lbs)		
Maximum Discharge Current	4800 A (5sec)		
Internal Resistance	Approx. 0.25 mΩ		
Short Circuit Current	--		
Maximum Charge Current	240 A		
Terminal types	I4 thread copper alloy terminal to accept M8 bolt		
Terminal tightening torque	126±25 Kgf·cm / 109±22 Lbf·in / 12.3±2.5 N·m		
Container Material	Flame Retardant ABS (UL 94-V0)		
Dimensions	Depth (D)	373.0±2.5 mm	14.69±0.10 inch
	Width (W)	174.0±2.0 mm	6.85±0.08 inch
	Container height (h)	331.0±2.5 mm	13.03±0.10 inch
	Overall Height (H)	339.0±2.5 mm	13.15±0.10 inch



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

F.V/Time	15MIN	30MIN	60MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	1408	993	608	348	290	250	157	133	104	86.2	43.1	35.9
1.67V	1262	943	592	344	287	247	156	132	103	85.5	42.7	35.6
1.70V	1186	912	581	341	284	245	155	131	103	85.1	42.5	35.5
1.75V	1066	830	553	333	279	241	152	129	101	84.0	42.0	35.0
1.80V	912	735	510	319	268	232	147	126	99	81.8	40.9	34.1
1.83V	806	674	477	305	257	223	143	122	96	79.6	39.8	33.1

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

F.V/Time	15MIN	30MIN	60MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	2466	1800	1105	665	553	476	312	268	205	160	80.2	66.8
1.67V	2292	1732	1084	658	548	472	310	266	203	159	79.6	66.4
1.70V	2201	1687	1068	654	545	470	309	265	202	159	79.3	66.1
1.75V	2012	1577	1024	640	535	462	305	262	199	156	78.2	65.2
1.80V	1804	1424	955	615	516	447	297	255	193	152	75.9	63.3
1.83V	1626	1328	901	590	497	433	289	249	187	147	73.6	61.3

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

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Sales Offices

希世比能源科技股份有限公司
CSB Energy Technology Co., Ltd.

BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600
Fax: +886-2-2888-3300

USA OFFICE

Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)
Fax: +1-817-244-4445

SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488/6775/6075
Fax: +86-755-8831-6548

EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622/0833/0094
Fax: +86-21-5046-1046

TAIPEI OFFICE

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

BEIJING OFFICE (CHINA)

Tel: +86-10-6597-8065/8165/8265
Fax: +86-10-6597-8565

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

