



# MU series MU900S



## Valve Regulated Lead Acid Battery

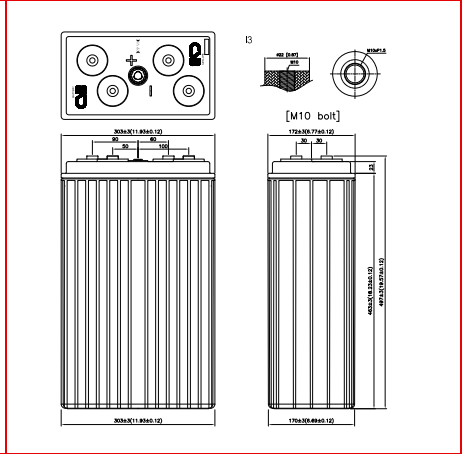
Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

### General Design for Standby Power Applications

<b>【Design Life】</b> Up to 20 Years in Standby Service at 25°C Eurobat (20°C) : >12 YEARS VERY LONG LIFE <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)	<b>【Float Charging Voltage】</b> 2.21 ~ 2.25 VDC/Unit at 25°C (77°F) <b>【Equalization Charging Voltage】</b> 2.35 VDC/Unit at 25°C (77°F) <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).
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### Specification

Nominal Voltage	2V (single cell per unit)		
Nominal Capacity	900 Ah @10hr-rate to 1.80V per cell @25°C (77°F)		
Weight	Approx. 55.90 Kg (123.20 lbs)		
Maximum Discharge Current	5400 A (5sec)		
Internal Resistance	Approx. 0.36mΩ		
Short Circuit Current	10580 A		
Maximum Charge Current	270 A		
Terminal types	I3 thread copper alloy terminal to accept M10 bolt		
Terminal tightening torque	249±50 Kg·cm / 216±43 Lbf·in / 24.4±4.9 N·m		
Container Material	Flame Retardant Polypropylene (UL 94-V0)		
Dimensions	Length (L)	303.0±3.0 mm	11.93±0.12 inch
	Width (W)	172.0±3.0 mm	6.77±0.12 inch
	Depth (D)	497.0±3.0 mm	19.57±0.12 inch



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)												
F.V/Time	30MIN	60MIN	90MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	910	568	423	343	287	248	167	145	114	94.2	52.6	45.0
1.67V	870	544	413	338	283	245	166	144	113	93.6	52.3	44.8
1.70V	833	530	406	335	281	244	165	143	112	93.2	52.1	44.6
1.75V	749	497	391	325	275	240	163	142	111	92.3	51.6	44.2
1.80V	644	452	368	308	263	232	159	138	109	90.0	50.8	43.5
1.83V	568	419	351	293	250	224	154	134	106	88.2	49.7	42.7

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)												
F.V/Time	30MIN	60MIN	90MIN	2HR	2.5HR	3HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	1610	1015	761	620	542	464	314	272	218	184	104	88.1
1.67V	1522	981	742	609	535	461	312	271	217	183	103	87.8
1.70V	1473	958	730	601	530	458	310	270	216	182	102	87.5
1.75V	1377	904	699	583	517	451	306	266	214	180	101	86.9
1.80V	1233	826	653	553	494	435	297	259	209	177	100	85.6
1.83V	1107	764	615	528	473	418	288	252	204	174	98.2	84.1

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

Issued: 210312

### 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

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



**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