



## MU series

# MU 1500S 2V 1500AH



### 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 Standby Power Applications

#### 【Design Life】

Up to 20 Years in Standby Service at 25°C  
Eurobat (20°C) : 12 years and longer, Long Life

#### 【Operating Temperature Range】

Nominal Operating Temperature : 25°C (77°F)  
Discharge : -20°C ~ 50°C (-4°F~122°F)  
Charge: 0°C ~ 40°C (32°F~104°F)  
Storage: -20°C ~ 40°C (-4°F~104°F)

#### 【Float Charging Voltage】

2.21 ~ 2.25 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】

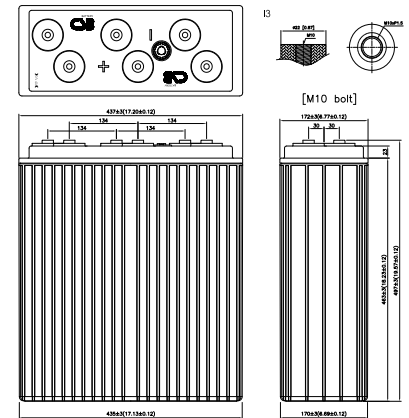
2.35 VDC/Unit at 25°C (77°F)

#### 【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	1500 Ah @10hr-rate to 1.80V per cell @25°C (77°F)		
Weight	Approx. 91.50 Kg (201.67 lbs)		
Maximum Discharge Current	9000 A (5sec)		
Internal Resistance	Approx. 0.37 mΩ		
Short Circuit Current	--		
Maximum Charge Current	450 A		
Terminal type	I3 thread copper alloy terminal to accept M10 bolt		
Terminal hardware Torque	612 Kgf-cm / 531 Lbf-in / 60.0 N-m		
Container Material	Flame Retardant Polypropylene (UL 94-V0)		
Dimensions	Length (L)	437.0±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	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	1630	1017	763	625	470	369	308	263	205	169	84.5	70.4
1.67V	1563	993	746	610	459	362	301	258	201	165	82.5	68.8
1.70V	1475	956	725	591	442	353	291	251	195	160	80.0	66.7
1.75V	1351	904	688	566	425	341	282	243	190	156	78.0	65.0
1.80V	1210	830	641	533	401	324	269	232	183	150	75.0	62.5
1.83V	1071	754	591	497	375	305	254	220	175	143	71.5	59.6

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

F.V/Time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR
1.60V	2559	1759	1328	1100	832	657	554	476	373	309	155	129
1.67V	2516	1728	1306	1086	822	652	548	472	370	305	153	127
1.70V	2463	1683	1283	1064	800	646	535	467	365	301	151	125
1.75V	2310	1600	1225	1024	774	627	522	454	357	295	148	123
1.80V	2130	1486	1154	975	738	603	503	436	346	285	143	119
1.83V	1960	1380	1087	929	705	580	485	420	336	276	138	115

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

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

