



# RE series RE 1200



## 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 Renewable Daily Storage & Power Fluctuation Control Applications

#### 【Design Life】

2700 cycles @ 70%DOD at 25°C  
3800 cycles @ 50%DOD at 25°C  
5900 cycles @ 30%DOD at 25°C

#### 【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)

#### 【Recommended Charge conditions】

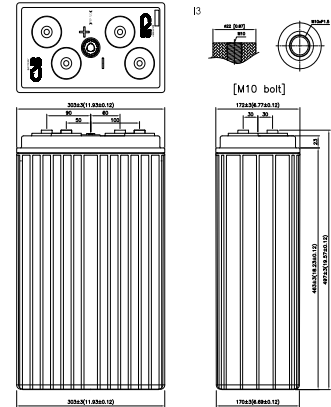
- Daily energy storage  
2.42+/-0.02 VDC/Unit at 25°C, current limit 0.07CA(84A) (CC-CV)  
2.42+/-0.02 VDC/Unit at 25°C, current limit 0.07CA(84A) (Multi-step)
- Power fluctuation control  
2.42+/-0.02 VDC/Unit at 25°C, current limit 0.14CA(168A) (CC-CV)

#### 【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	1200 Ah @100hr-rate to 1.80V per cell @25°C (77°F)		
Weight	Approx. 73.8 Kg (162.7 lbs)		
Maximum Discharge Current	6,000 A (5sec)		
Internal Resistance	Approx. 0.36 mΩ		
Short Circuit Current	11,400 A		
Maximum Charge Current	84A (multi-steps) / 168A (CC-CV) is recommended, not exceed 200A		
Terminal types	I3 thread copper alloy terminal to accept M10 bolt		
Terminal tightening torque	249±50 Kgf·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	1H	2H	3H	4H	5H	8H	10H	12H	20H	24H	48H	100H
1.60V	508	295	219	180	155	106	87.6	75.3	49.4	42.5	24.0	12.6
1.67V	501	292	217	179	154	105	87.1	74.9	49.1	42.3	23.9	12.5
1.70V	495	291	216	178	153	104	86.8	74.7	49.0	42.1	23.8	12.4
1.75V	478	286	214	177	152	103	86.1	74.1	48.6	41.8	23.6	12.3
1.80V	447	277	210	173	149	102	84.8	72.9	47.9	41.2	23.3	12.2

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

F.V/Time	1H	2H	3H	4H	5H	8H	10H	12H	20H	24H	48H	100H
1.60V	972	555	418	347	299	201	169	146	96.6	83.2	47.2	25.1
1.67V	958	552	416	346	298	200	168	145	96.2	82.9	47.1	25.0
1.70V	948	550	415	345	297	199	167	144	96.0	82.7	47.0	24.9
1.75V	916	544	412	343	295	198	166	143	95.4	82.2	46.7	24.8
1.80V	856	528	404	338	290	196	164	142	94.2	81.2	46.1	24.5

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, 45001, 50001.



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