RE Series

RE1200 Datasheet

2V VRLA-AGM

Specifications

Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	824.00
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	972.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	816.00
Max Charge Current (A)	84 (multi-steps) 168 (CC-CV) is recommended, not to exceed 200
Max Discharge Current (A)	6000
Short Circuit Current (A)	11400
Internal Resistance	0.36 mΩ
Terminal Type	I3 thread copper alloy terminal to accept M10 bolt
Terminal Torque	249±50 Kgf·cm / 216±43 Lbf·in / 24.4±4.9 N·m
Container Material	Flame Retardant Polypropylene (UL 94-V0)
Weight (kg. / lb., Approx.)	73.8 / 162.7
Length (L) (mm / in)	303.0±3.0 / 11.93±0.12
Width (W) (mm / in)	172.0±3.0 / 6.77±0.12
Depth (D) (mm / in)	497.0±3.0 / 19.57±0.12
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	Nominal: 25°C (77°F) Discharge: -25°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】

1. 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)
2. 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 and 10 months with equalization charge* at 25C (77F); Full recharging is required before usage, and charged sooner if stored at higher temperature than 25C (77F).

Valve Regulated Lead Acid (VRLA) Battery

Maintenance-Free, Absorbent Glass Mat (AGM) Technology for Efficient Gas Recombination of up to 99%

Pure Lead Construction and Proprietary Elements

Designed for High-Capacity Float Service Standby Power Applications

Built in Accordance with IEC 60896-21/22:2004, UL1973 Listed (MH66728) and UL1989 Recognized (MH14533)

Certified by TUV NORD according to ISO 9001:2015

MH14533

CERTIFIED SAFETY US MH66728

11F, No. 150, Sec. 4, Chengde Rd., Shilin Dist., Taipei City 111052, Taiwan (R.O.C.)
Tel: +886-2-2880-5600 Mail: service@csb-battery.com.tw

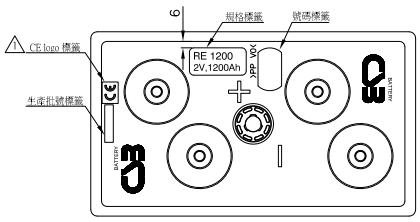
RE Series

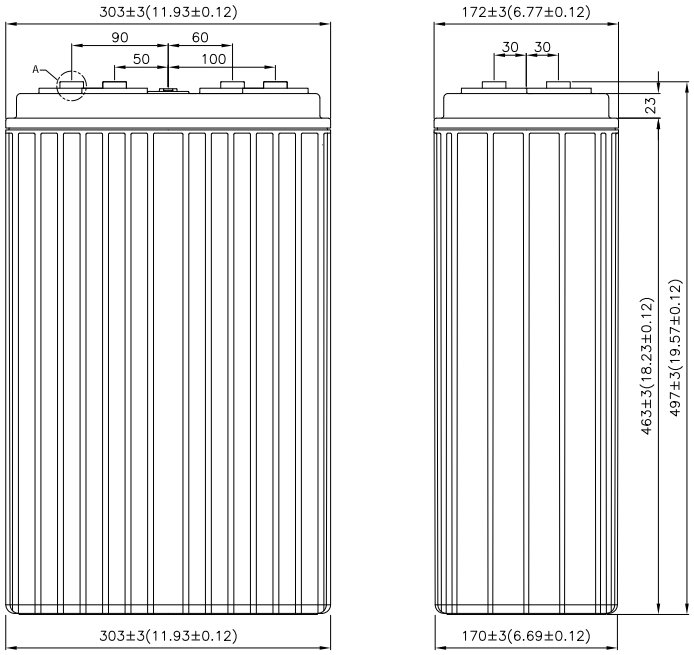
RE1200 Datasheet

2V VRLA-AGM

Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**1H**	**2H**	**3H**	**4H**	**5H**	**8H**	**10H**	**12H**	**20H**	**24H**	**48H**	**100H**
1.67V	501	292	217	179	154	105	87.1	74.9	49.1	42.3	23.9	12.5
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 Per Battery: Watts (25°C, 77°F)												
F.V/Time	**30MIN**	**60MIN**	**90MIN**	**2HR**	**2.5HR**	**3HR**	**5HR**	**6HR**	**8HR**	**10HR**	**20HR**	**24HR**
1.67V	958	552	416	346	298	200	168	145	96.2	82.9	47.1	25.0
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





11F, No. 150, Sec. 4, Chengde Rd., Shilin Dist., Taipei City 111052, Taiwan (R.O.C.)
Tel: +886-2-2880-5600 Mail: service@csb-battery.com.tw