RE Series

RE1700 Datasheet

2V Top Terminal VRLA-AGM

Specifications

Voltage (Vdc)	2
Ah Capacity (8-Hr 1.75 VPC @ 25°C)	1264.00
Ah Capacity (20-Hr 1.75 VPC @ 25°C)	1476.00
Ah Capacity (8-Hr 1.80 VPC @ 25°C)	1248.00
Max Charge Current (A)	119 (multi-steps) 238 (CC-CV) is recommended, not to exceed 300
Max Discharge Current (A)	9000
Short Circuit Current (A)	16743
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.)	110.0 / 242.5
Length (L) (mm / in)	437.0±3.0 / 17.20±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

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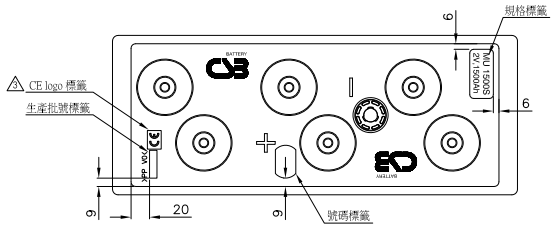
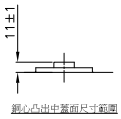
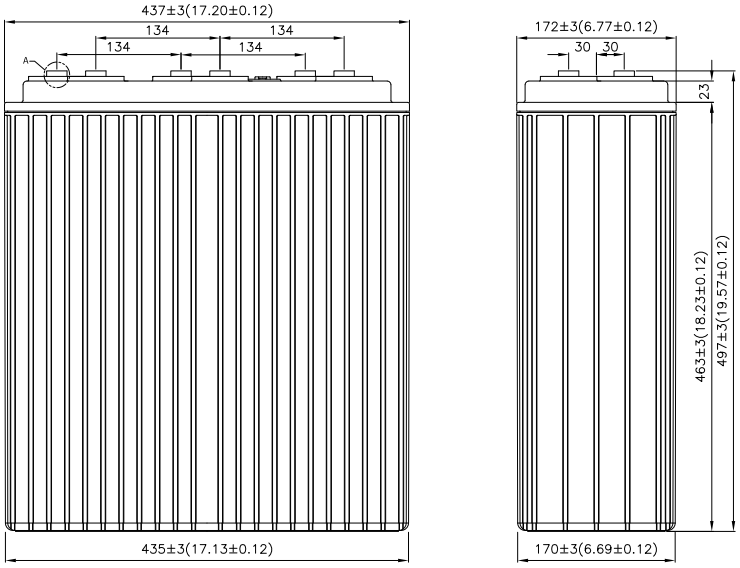
Constant Current Discharge Characteristics Per Battery: Amperes (25°C, 77°F)												
F.V/Time	**1H**	**2H**	**3H**	**4H**	**5H**	**8H**	**10H**	**12H**	**20H**	**24H**	**48H**	**100H**
1.67V	772	471	342	272	228	160	135	115	74.6	63.2	34.9	17.5
1.75V	744	460	335	267	225	158	133	113	73.8	62.4	34.5	17.3
1.80V	705	444	325	261	220	156	131	112	72.6	61.4	33.9	17.0

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	1422	872	645	521	443	313	262	224	144	123	67.4	34.5
1.75V	1380	857	637	516	438	310	260	222	142	121	66.8	34.1
1.80V	1319	831	622	506	431	306	256	219	141	120	65.9	33.6







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