

## CL2-1500

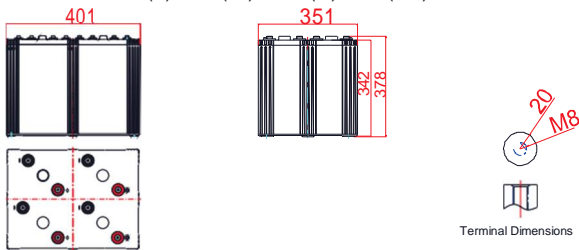


### General Features

- › High corrosion resistant performance: Pb-Ca multi-alloy grid
- › Long life
- › Excellent charge acceptance ability
- › Excellent deep cycle discharge capability
- › Strong high and low temperature performance
- › Precision sealing technology



Dimension: 401(L) x 351(W) x 342(H) x 378(TH) Unit: mm



### Applications

- › Telecommunications system
- › Power systems
- › UPS/EPS
- › Auto control system
- › Solar/wind generating storage cyclic
- › Other general purpose

### Specification

Nominal Voltage	2V	
Nominal Capacity	1500Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 96.0kg (211lbs)	
Container Material	ABS	
Rated Capacity	1500Ah	10Hour Rate (150A to 1.80V)
	1155Ah	3Hour Rate (385A to 1.80V)
	864Ah	1Hour Rate (864A to 1.75V)
Internal resistance	Full charged at 25°C: 0.18 m	
Max. Discharge Current	10000A(5S)	
Operating Temperature	Discharge: -20 ~50 (-4~ 122°F)	
	Charge : -20 ~50 (-4~ 122°F)	
	Storage: -20 ~50 (-4~ 122°F)	
Charge current:	Max. 300A Recom.150.0A	
Charge Method (25 °C)	Float Charge: 2.23-2.27V, recom. 2.25V(-3mV/ °C)	
	Equalize charge: 2.30-2.35V, recom. 2.35V(-4mV/ °C)	
	Cycle charge: 2.40-2.50V, recom. 2.40V(-5mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

### Constant Current Discharge Characteristics Unit: A (25 , 77 )

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	2157	1597	1000	589	432	291	198	162	86.9
1.65V	2010	1499	948	576	422	284	195	161	86.1
1.70V	1885	1407	906	554	409	281	192	159	84.8
1.75V	1784	1308	864	535	397	274	189	156	83.6
1.80V	1683	1224	809	506	385	267	186	150	80.3
1.85V	1492	1091	736	471	365	258	180	149	79.4

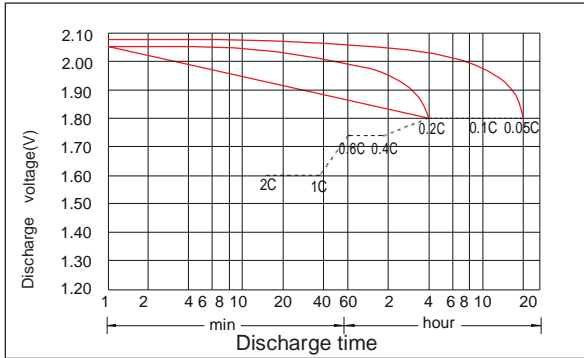
### Constant Power Discharge Characteristics Unit: W/cell (25 , 77 )

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	3666	2919	2060	1237	908	615	417	343	184
1.65V	3518	2805	1904	1198	875	595	410	336	180
1.70V	3393	2692	1813	1153	842	584	401	326	174
1.75V	3266	2600	1742	1111	809	569	386	321	172
1.80V	3113	2508	1640	1060	782	553	376	316	169
1.85V	2835	2231	1517	969	741	529	364	304	163

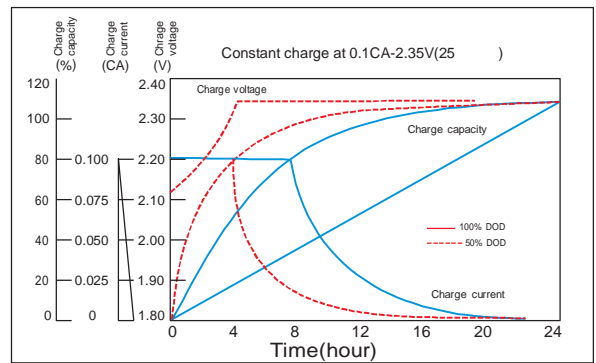
# CL series AGM battery

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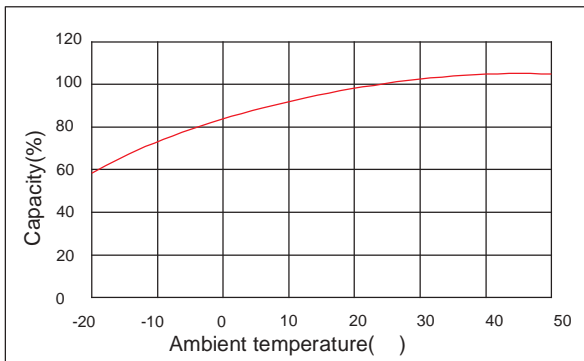
Discharge characteristic



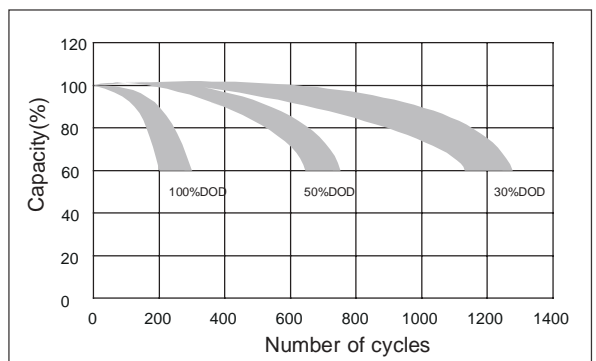
Charging characteristic



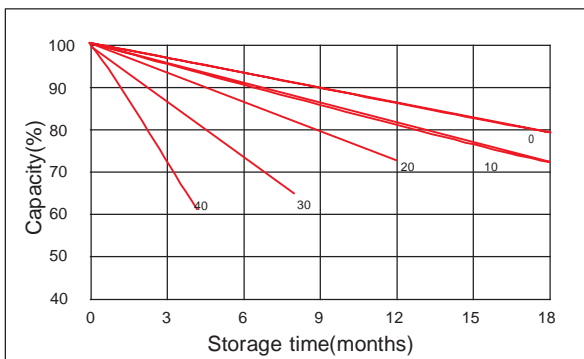
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

