

CL2-200

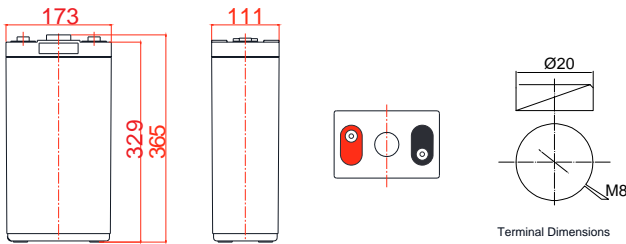


General Features

- > 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: 173(L)x111(W) x329(H)x365(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	200Ah		
Design life	15 years		
Terminal	M8		
Approx. Weight	Approx 12.8kg (28.2lbs)		
Container Material	ABS		
Rated Capacity	200Ah	10Hour Rate	(20.0A to 1.80V)
	163.8Ah	3Hour Rate	(54.6A to 1.70V)
	133Ah	1Hour Rate	(133A to 1.60V)
Internal resistance	Full charged at 25°C: 0.68 m		
Max. Discharge Current	2000A(5S)		
Operating Temperature	Discharge:	-20 ~50	(-4~ 122°F)
	Charge :	-20 ~50	(-4~ 122°F)
	Storage:	-20 ~50	(-4~ 122°F)
Charge current:	Max. 40A Recom.20.0A		
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	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	697	463	351	213	163	133	88.2	78.6	57.7	42.3	38.8	31.3	26.4	21.7	11.6
1.65V	642	438	323	200	155	126	87.4	76.7	56.2	41.9	37.8	31.0	26.0	21.5	11.5
1.70V	598	421	304	188	148	121	85.8	73.9	54.6	41.1	37.5	30.4	25.6	21.1	11.3
1.75V	530	400	275	174	141	115	84.6	71.3	53.0	40.6	36.5	30.0	25.2	20.8	11.1
1.80V	457	376	250	163	133	108	81.3	67.4	51.3	39.0	35.6	28.8	24.8	20.0	10.7
1.85V	401	342	217	145	121	98.2	80.5	62.8	48.7	38.6	34.4	28.6	24.0	19.8	10.6

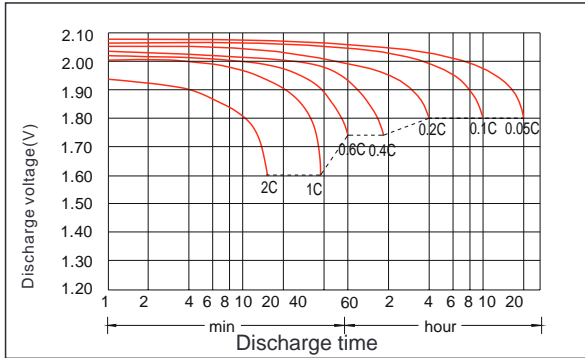
Constant Power Dscharge Characteristics Unit: W/cell (25 , 77)

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1278	858	621	389	330	275	193	165	121	91.6	82.0	67.2	55.6	45.8	24.5
1.65V	1144	792	595	374	305	254	189	160	117	89.6	79.4	65.7	54.6	44.8	24.0
1.70V	1093	755	566	359	290	242	183	154	112	86.8	77.9	63.7	53.5	43.4	23.2
1.75V	983	724	542	347	278	232	181	148	108	85.6	75.9	62.8	51.5	42.8	22.9
1.80V	859	683	508	334	263	219	178	141	104	84.2	73.7	61.7	50.2	42.1	22.5
1.85V	763	630	437	297	242	202	171	129	99.0	81.0	70.5	59.4	48.5	40.5	21.7

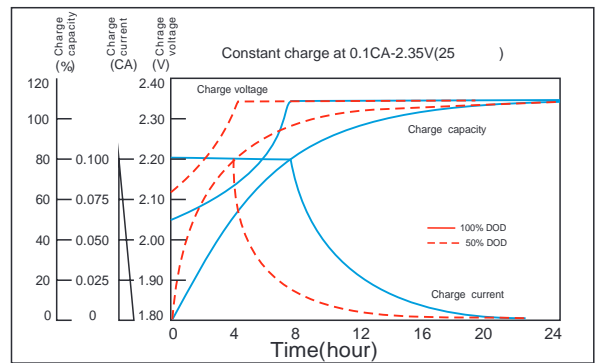
CL series lead-acid battery

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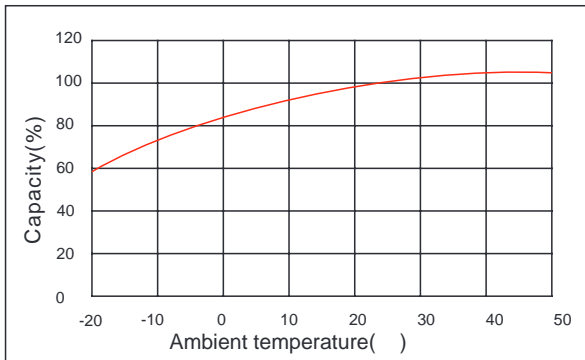
Discharge characteristic



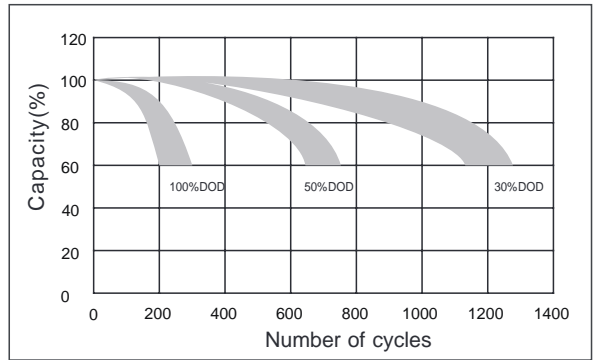
Charging characteristic



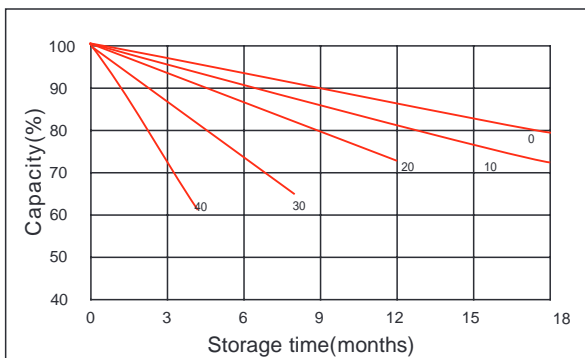
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

