

CL2-600



Applications

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

General Features

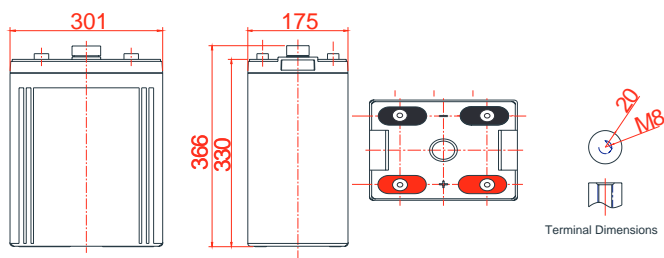
- > High corrosion resistant performance: Pb-Ca multi-alloy grid
- > Long life
- > Excellent charge acceptance ability
- > Excellent deep cycle discharge capability
- > Strong high and low temperature performance
- > Precision sealing technology

Specification

Nominal Voltage	2V	
Nominal Capacity	600Ah	
Design life	15 years	
Terminal	M8	
Approx. Weight	Approx 35.6kg (78.5lbs)	
Container Material	ABS	
Rated Capacity	600Ah	10Hour Rate (60.0A to 1.80V)
	462Ah	3Hour Rate (154A to 1.80V)
	345Ah	1Hour Rate (345A to 1.75V)
Internal resistance	Full charged at 25°C: 0.32 m	
Max. Discharge Current	6000A(5S)	
Operating Temperature	Discharge:	-20 ~50 (-4~ 122°F)
	Charge:	-20 ~50 (-4~ 122°F)
	Storage:	-20 ~50 (-4~ 122°F)
Charge current:	Max.100A Recom.50A	
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	



Dimension: 301(L)x175(W) x330(H) x366(TH) Unit: mm



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

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	863	639	400	236	173	116	79.1	65.0	34.8
1.65V	804	599	379	230	169	114	77.9	64.4	34.4
1.70V	754	563	362	222	164	113	76.7	63.4	33.9
1.75V	714	523	345	214	159	109	75.7	62.5	33.4
1.80V	673	489	324	202	154	107	74.3	60.0	32.1
1.85V	597	436	294	188	146	103	72.1	59.4	31.8

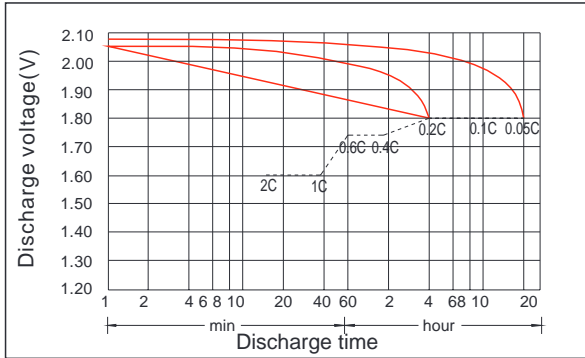
Constant Power Discharge Characteristics Unit: W (25 , 77)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1466	1168	824	495	363	246	167	137	73.5
1.65V	1407	1122	761	479	350	238	164	134	71.9
1.70V	1357	1077	725	461	337	234	160	130	69.7
1.75V	1306	1040	697	445	324	228	154	128	68.7
1.80V	1245	1003	656	424	313	221	150	126	67.6
1.85V	1134	892	607	388	296	212	146	122	65.0

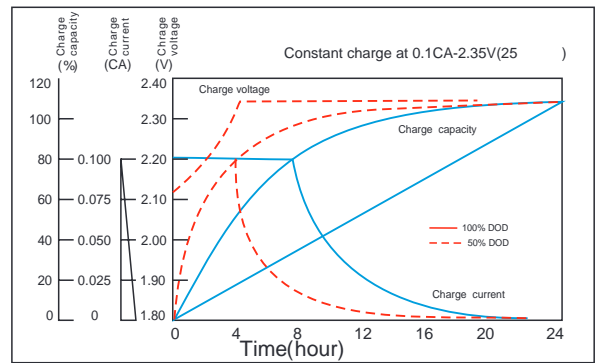
CL Series lead-acid battery

CL2-600

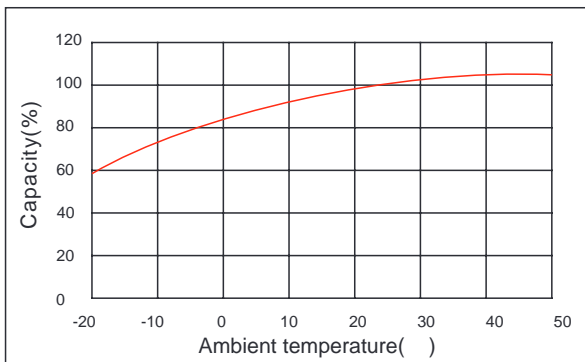
Discharge characteristic



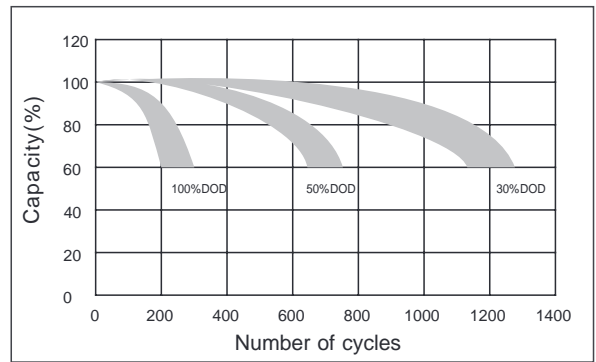
Charging characteristic



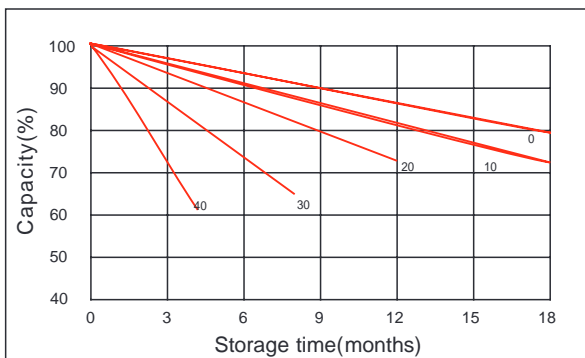
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

