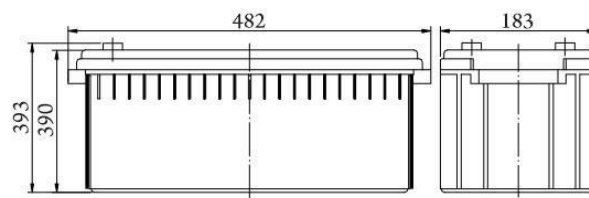


N-2100 (12V200Ah)

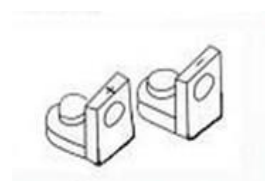
Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR	200 Ah
	10HR	176 Ah
	5HR	155 Ah
Dimension	Length	482 ± 2mm
	Width	183 ± 2mm
	Height	390 ± 2mm
	Total Height	393 ± 2mm
Approx. Weight		59.8kg (131.8lbs) ± 3%
Terminal type		E
Internal resistance (Fully charged, 25°C)		Approx. 5m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 85%
	6 month	Remaining Capacity: 60%
	12 month	Remaining Capacity: 40%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		60A
Maximum discharge current		1600A (5 sec.)
Designed floating life(20°C)		12 years

Dimensions



Terminal



E Terminal

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	436	336	201	124	73.1	52.0	42.0	35.9	24.7	20.4	10.8
9.90V	423	328	197	122	72.6	51.7	41.8	35.7	24.5	20.3	10.8
10.2V	405	316	191	119	72.0	51.4	41.5	35.4	24.4	20.3	10.7
10.5V	388	305	186	116	70.9	51.0	41.2	35.2	24.2	20.1	10.7
10.8V	366	289	179	113	69.1	49.5	40.0	34.1	23.5	20.0	10.6

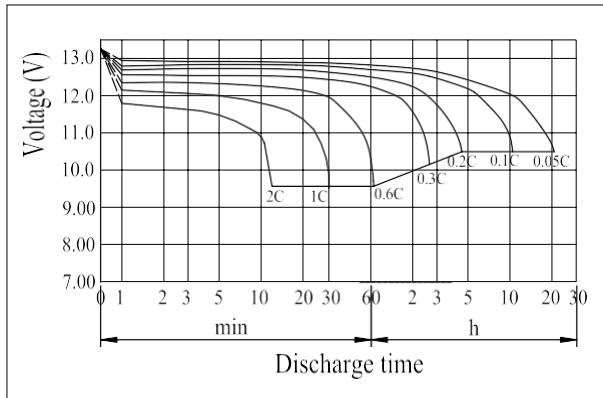
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	4709	3689	2255	1409	846	612	494	424	293	243	129
9.90V	4568	3601	2210	1388	841	608	491	422	292	243	129
10.2V	4379	3468	2142	1353	834	604	488	419	290	242	129
10.5V	4191	3350	2091	1324	821	600	485	416	287	240	128
10.8V	3955	3173	2014	1284	800	582	470	404	279	239	127

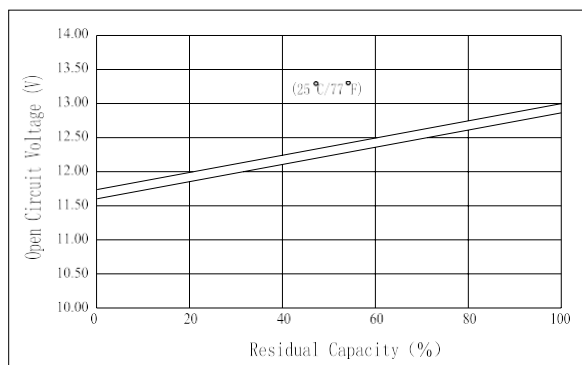
Note: The above characteristics data can be obtained within three charge/discharge cycles.

N-2100 (12V200Ah)

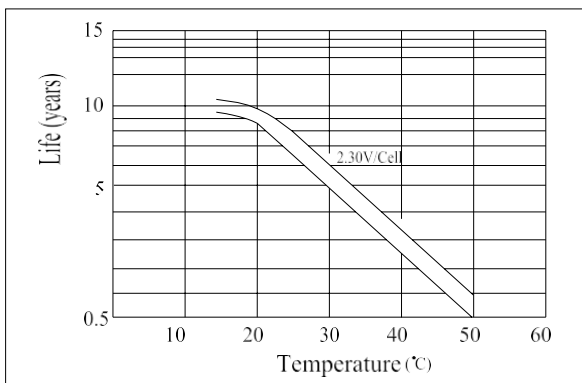
Discharge Characteristics (25°C)



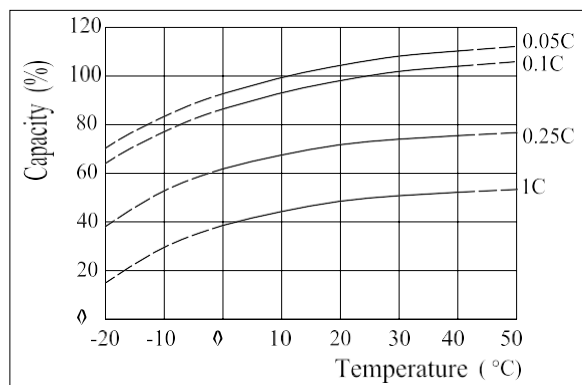
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



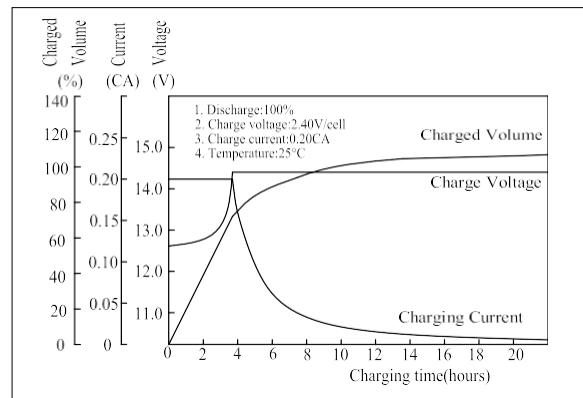
Floating Life on Temperature



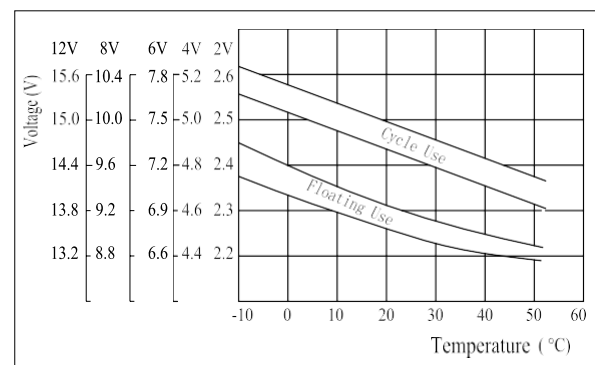
Effect of Temperature on Capacity



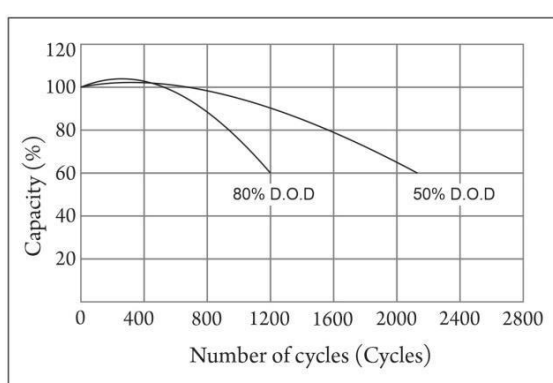
Charging Characteristics (25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D (25°C)



Self-discharge Characteristics

