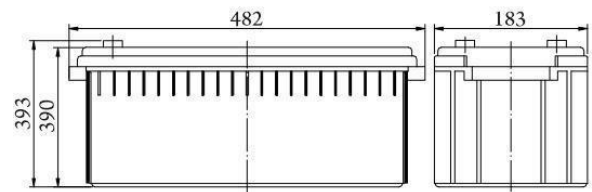


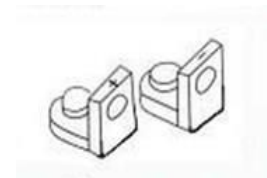
Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR	280 Ah
	10HR	240 Ah
	5HR	215 Ah
Dimension	Length	482±2mm
	Width	183±2mm
	Height	390±2mm
	Total Height	393±2mm
Approx. Weight		68.0 kg (149.9lbs)±3%
Terminal type		E
Internal resistance (Fully charged, 25°C)		Approx. 4.5m 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		95A
Maximum discharge current		2000A (5 sec.)
Designed floating life(20°C)		12 years

Dimensions



Terminal



E Terminal

Constant Current Discharge Characteristics (A, 25°C)

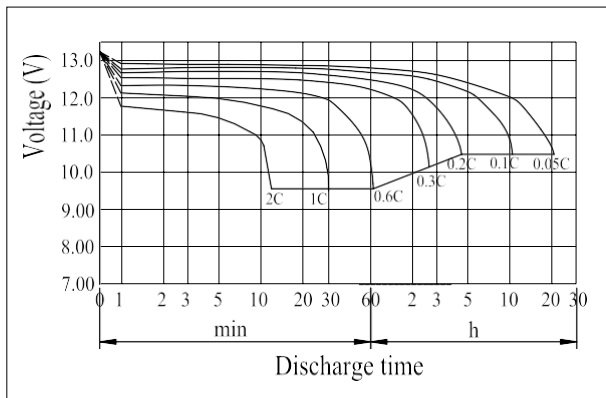
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	545	420	251	155	91	65	53	45	31	26	14
9.90V	529	410	246	153	91	65	52	45	31	25	14
10.2V	506	395	239	149	90	64	52	44	31	25	13
10.5V	485	381	233	145	89	64	52	44	30	25	13
10.8V	458	361	224	141	86	62	50	43	29	25	13

Constant Power Discharge Characteristics (Watt, 25°C)

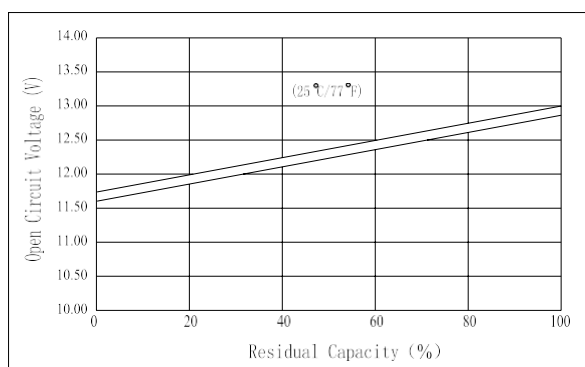
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	5886	4611	2819	1761	1058	765	618	530	366	304	161
9.90V	5710	4501	2763	1735	1051	760	614	528	365	304	161
10.2V	5474	4335	2678	1691	1043	755	610	524	363	303	161
10.5V	5239	4188	2614	1655	1026	750	606	520	359	300	160
10.8V	4944	3966	2518	1605	1000	728	588	505	349	299	159

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

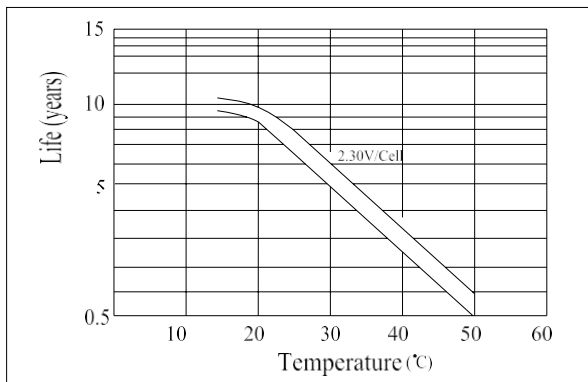
Discharge Characteristics (25°C)



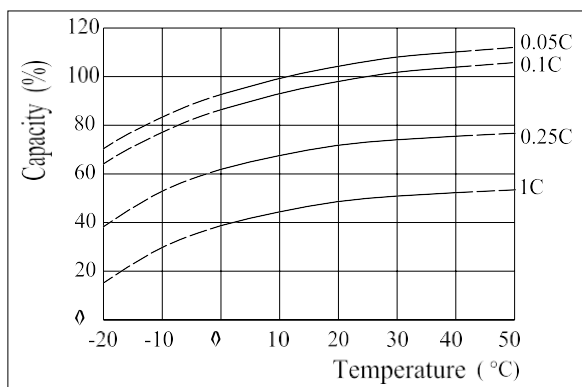
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



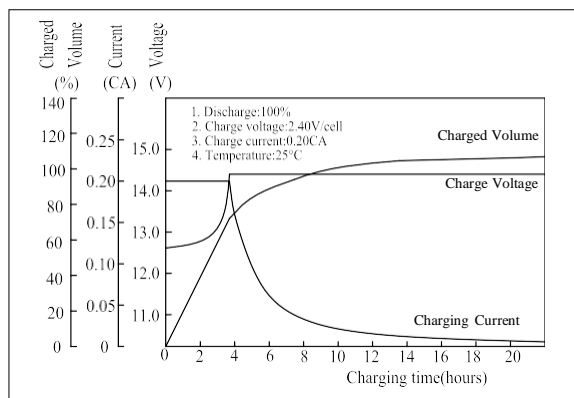
Floating Life on Temperature



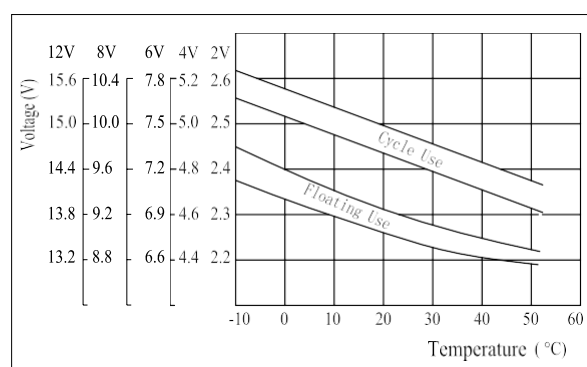
Effect of Temperature on Capacity



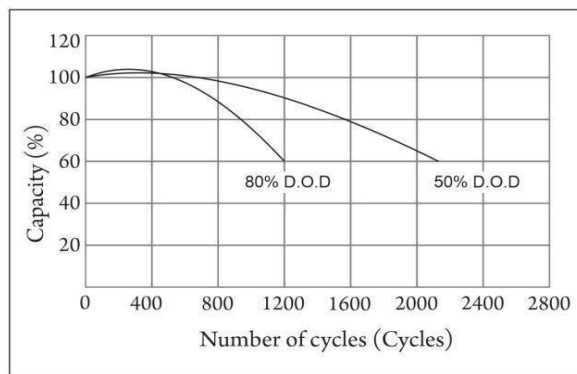
Charging Characteristics (25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D (25°C)



Self-discharge Characteristics

