

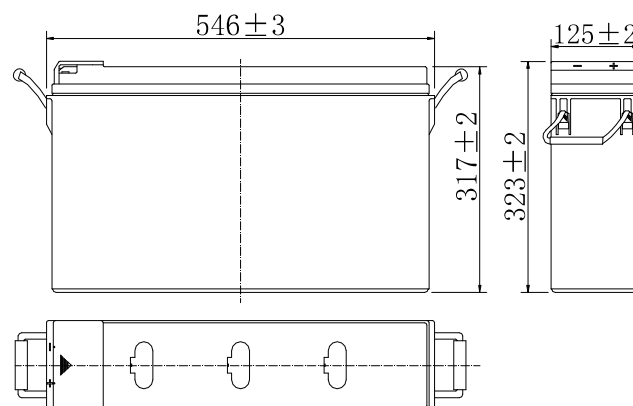
Specifications

◆ ABS container.

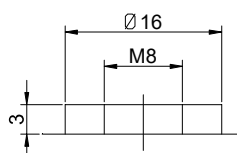
Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	180 Ah
	5HR(10.2V)	Ah
	1HR(9.6V)	Ah
Dimension	Length	546 ± 3mm (21.50inch)
	Width	125 ± 2mm (4.92inch)
	Height	317 ± 2mm (12.48inch)
	Total Height	323 ± 2mm (12.72inch)
Approx. Weight		57kg (125.4lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx.3m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		36A
Terminal material		Copper
Maximum discharge current		1800A(5 sec.)
Designed floating life(20°C)		15 years



Dimensions



Terminal



Terminal T11

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by UL & CE;

Constant Current Discharge Characteristics (A, 25°C)

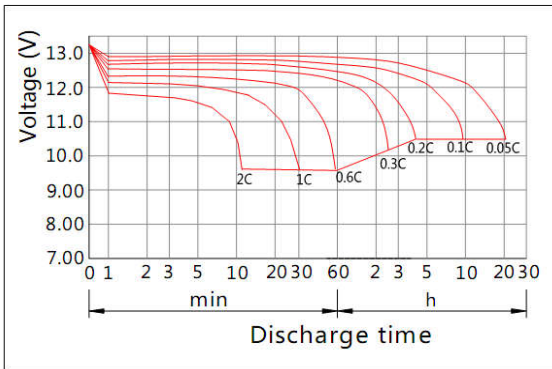
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	270	166	105	61.9	43.2	35.5	30.5	26.6	20.9	17.4	9.11	---	---
9.90V	263	162	103	61.6	42.8	35.3	30.2	26.5	20.8	17.3	9.07	---	---
10.2V	254	157	100	61.1	42.7	34.9	29.9	26.3	20.5	17.3	9.06	4.02	---
10.5V	245	152	98.3	60.1	42.4	34.8	29.9	26.2	20.4	17.2	9.00	4.00	1.66
10.8V	233	148	95.3	58.6	41.0	33.7	29.0	25.4	19.8	17.0	8.95	4.00	1.66

Constant Power Discharge Characteristics (Watt, 25°C)

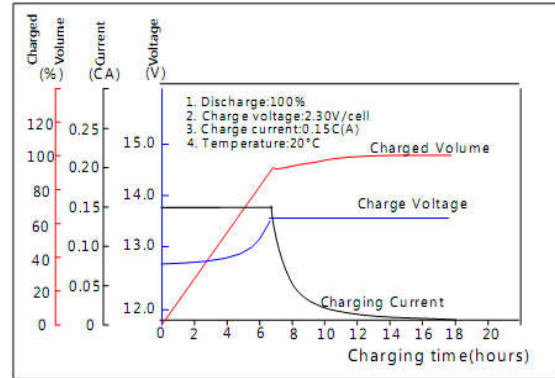
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	2659	1892	1194	709	508	400	338	288	226	202	111	---	---
9.90V	2594	1856	1176	704	506	398	337	287	226	202	111	---	---
10.2V	2498	1799	1148	698	503	395	334	284	223	202	110	48.2	---
10.5V	2414	1756	1126	688	499	392	331	283	222	200	109	47.9	20.0
10.8V	2286	1692	1090	670	482	380	323	274	215	198	109	47.9	19.8

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

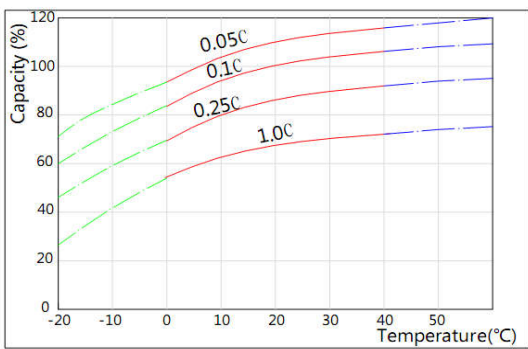
Discharge Characteristics(25°C)



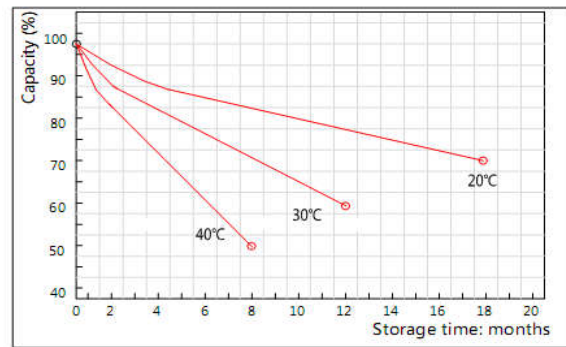
Charging Characteristics(25°C)



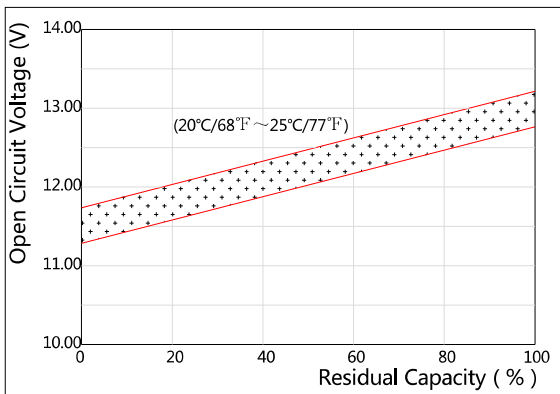
Effect of Temperature on Capacity



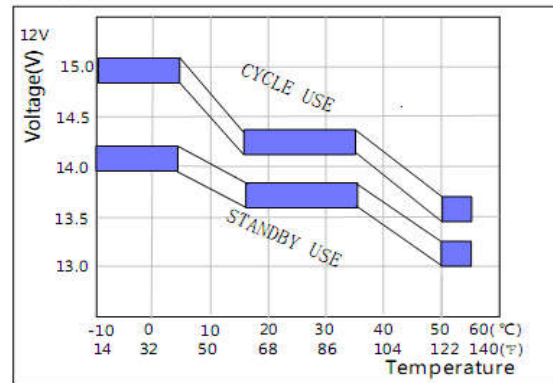
Self-discharge Characteristics



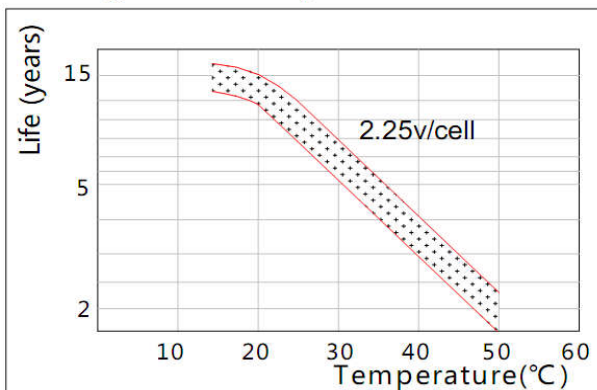
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

