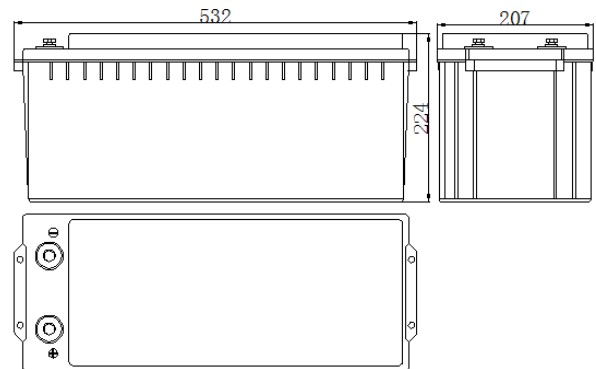


Specifications

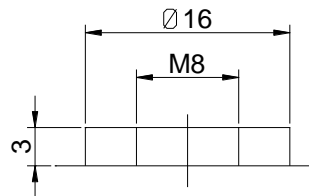
Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	180 Ah
	10HR(10.8V)	169 Ah
	5HR(10.5V)	142 Ah
	1HR(9.60V)	117 Ah
Dimension	Length	532 ± 2mm (20.9inch)
	Width	207 ± 2mm (8.15inch)
	Height	209 ± 2mm (8.23inch)
	Total Height	224 ± 2mm (8.82 inch)
Approx. Weight		56.5kg (124.5lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx.3.8 mΩ
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: 93%
	6 month	Remaining Capacity: 85%
	12 month	Remaining Capacity: 72%
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)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		36 A
Terminal material		Copper
Maximum discharge current		1300A(5 sec.)
Designed floating life(20°C)		15 years



Dimensions



Terminal



Terminal T11

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

Constant Current Discharge Characteristics (A, 25°C)

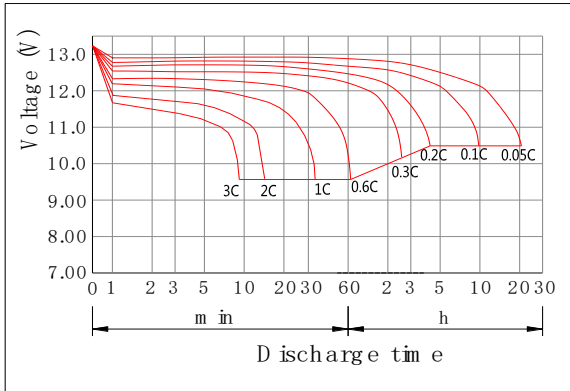
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	289	198	117	62.3	44.8	35.4	29.6	25.3	20.8	17.8	9.11
9.90V	286	196	115	62.0	44.2	35.0	29.2	25.0	20.5	17.5	9.09
10.2V	284	192	110	60.8	43.6	34.5	28.8	24.6	20.3	17.3	9.05
10.5V	282	186	105	61.1	43.0	34.0	28.4	24.3	20.0	17.0	9.00
10.8V	274	179	102	59.3	42.2	33.0	27.6	23.6	19.4	16.9	8.80

Constant Power Discharge Characteristics (Watt, 25°C)

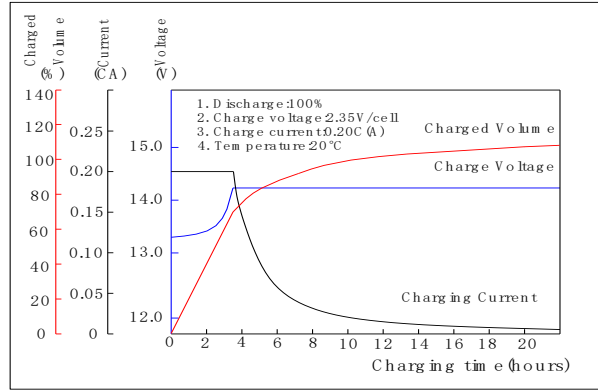
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	3137	2165	1330	698	523	419	352	301	249	213	110
9.90V	3106	2143	1304	694	516	413	347	297	245	210	110
10.2V	3090	2100	1250	682	509	408	343	293	242	207	109
10.5V	3059	2035	1199	685	502	402	338	289	239	204	109
10.8V	2980	1948	1155	664	493	390	328	280	231	203	106

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

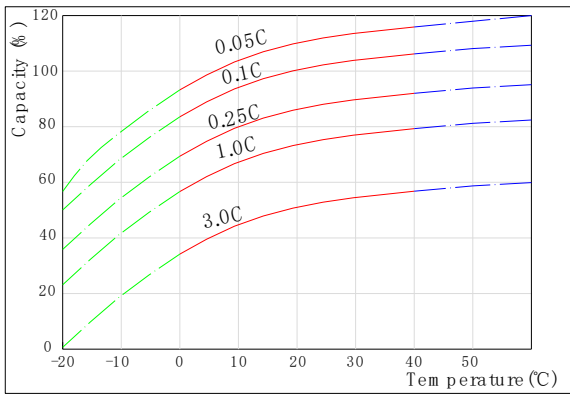
Discharge Characteristics(25°C)



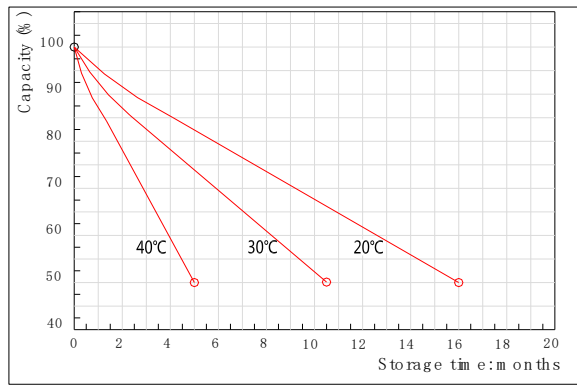
Charging Characteristics(25°C)



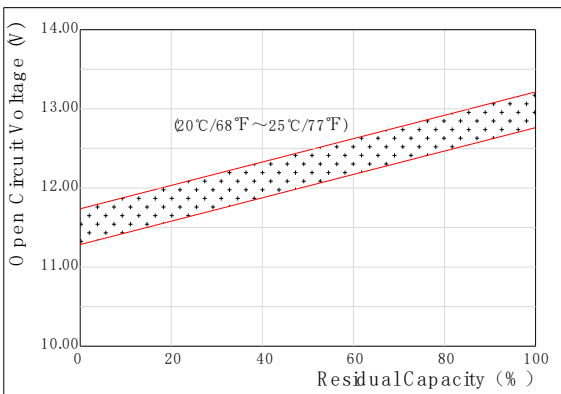
Effect of Temperature on Capacity



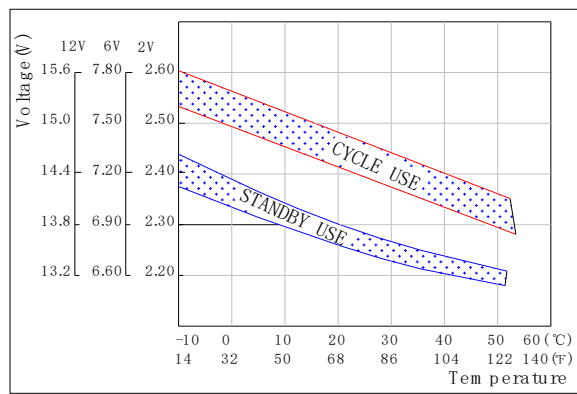
Self-discharge Characteristics



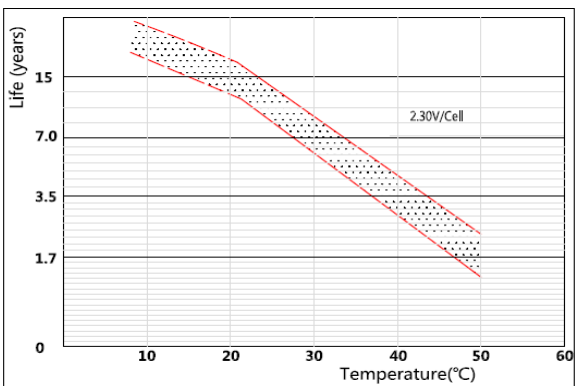
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

