

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	250 Ah
	5HR(10.5V)	202Ah
	1HR(9.60V)	147Ah
Dimension	Length	521 ± 2mm (20.51inch)
	Width	269 ± 2mm (10.59inch)
	Height	220 ± 2mm (8.66inch)
	Total Height	T5: 242 ± 2mm (9.53inch) T11: 223 ± 2mm (8.78inch)
Approx. Weight		70.5kg (155 lbs) ± 4%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 2.0 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: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
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		62.5A
Terminal material		Copper
Maximum discharge current		1800A(5 sec.)
Designed floating life(20°C)		12-15 years

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

Constant Current Discharge Characteristics (A, 25°C)

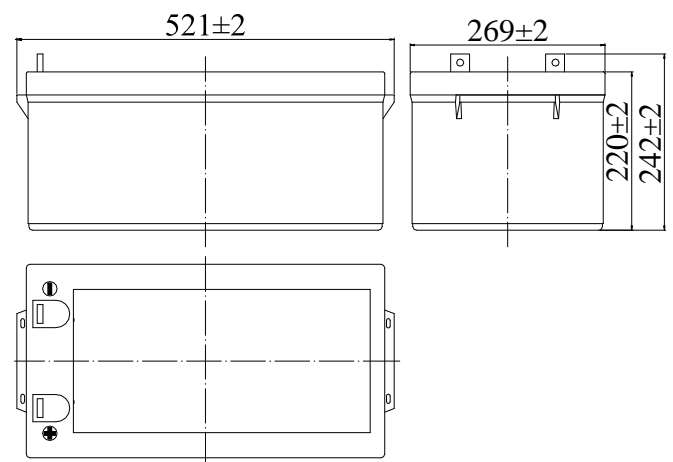
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	488	490	426	250	147	85.1	62.5	50.2	41.4	37.9	25.3	12.9
9.90V	782	488	423	248	145	83.5	62.3	50.0	41.2	37.8	25.2	12.8
10.2V	708	466	405	242	139	81.2	60.5	49.5	40.8	37.5	25.0	12.7
10.5V	633	445	386	231	136	79.8	59.4	49.0	40.4	37.2	25.0	12.6
10.8V	575	424	368	222	132	77.5	57.7	48.6	39.9	36.8	24.5	12.5

Constant Power Discharge Characteristics (Watt, 25°C)

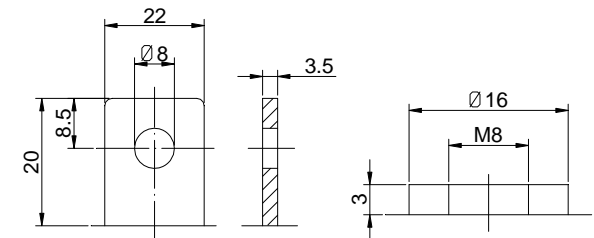
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	1490	930	810	478	278	160	120	95.2	78.4	72.2	48.2	24.6
9.90V	1465	925	804	472	275	158	118	94.9	78.2	71.9	48.0	24.4
10.2V	1343	885	769	460	266	154	115	94.1	77.4	71.2	47.5	24.2
10.5V	1202	845	734	438	259	151	113	93.1	76.6	70.6	47.1	24.0
10.8V	1093	805	696	422	249	147	109	92.3	75.9	69.9	46.6	23.8

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

Dimensions



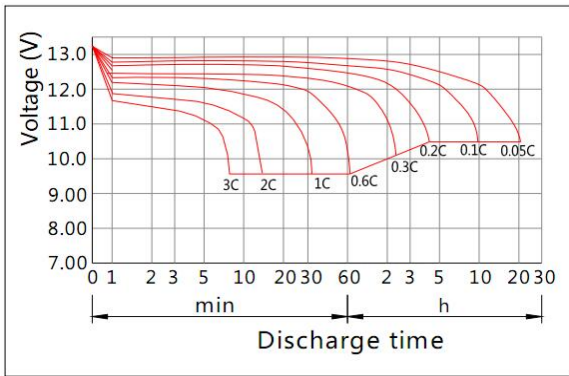
Terminal



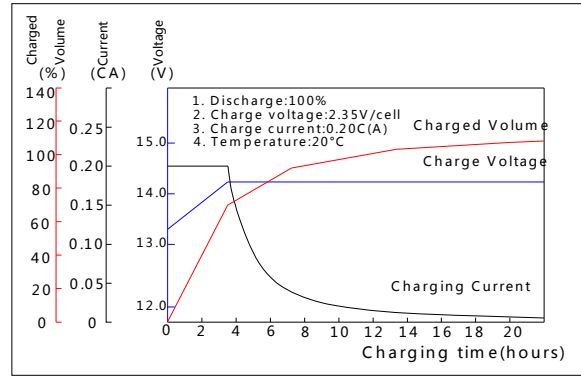
Terminal T5

Terminal T11

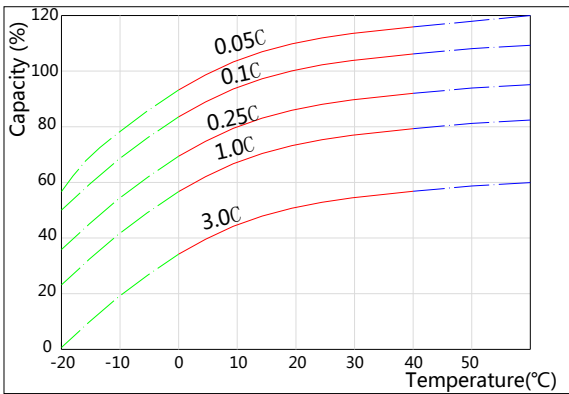
Discharge Characteristics(25°C)



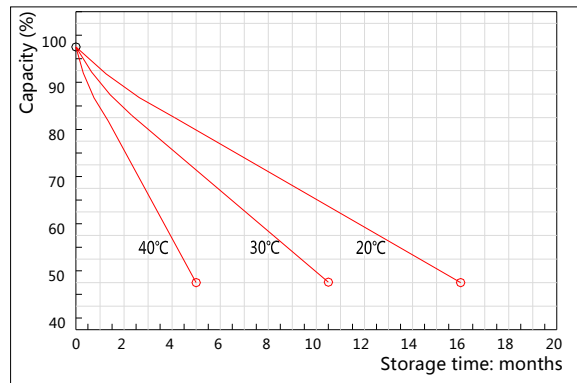
Charging Characteristics(25°C)



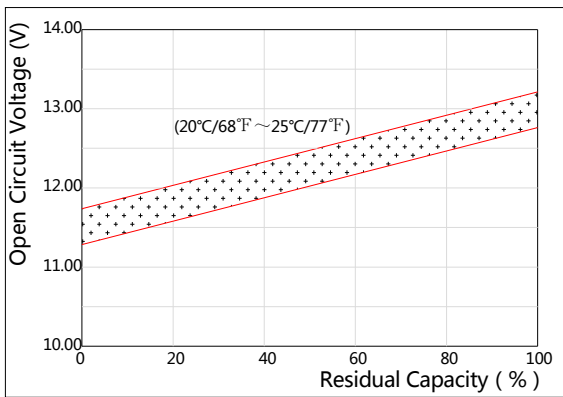
Effect of Temperature on Capacity



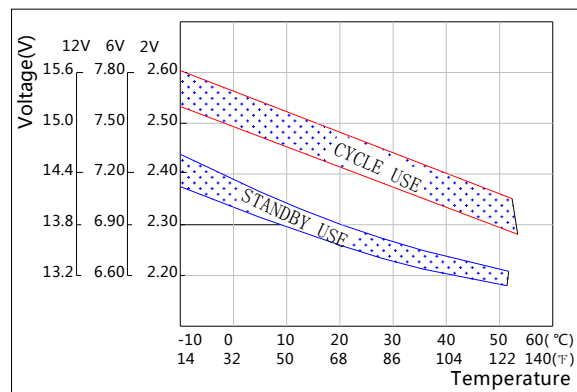
Self-discharge Characteristics



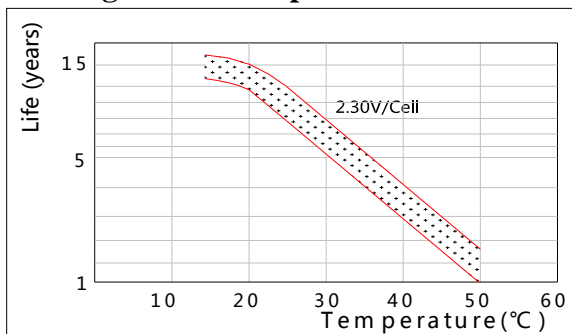
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

