

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	150 Ah
	5HR(10.5V)	124 Ah
	1HR(9.60V)	88.5 Ah
Dimension	Length	485 ± 2mm (19.09inch)
	Width	172 ± 2mm (6.77inch)
	Height	240 ± 2mm (9.45inch)
	Total Height	T5: 242 ± 2mm (9.53inch) T11: 240 ± 2mm (9.45inch)
Approx. Weight		43.0kg (94.6lbs) ± 4%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 3.9m 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: 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		37.5A
Terminal material		Copper
Maximum discharge current		1200A(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	479	299	260	153	88.5	51.2	38.2	30.6	25.2	23.2	15.5	7.75
9.90V	460	290	255	151	87.5	50.5	37.8	30.4	25.1	23.1	15.4	7.70
10.2V	433	286	248	149	85.2	49.6	37.2	30.3	25.0	23.0	15.3	7.64
10.5V	388	273	237	142	83.6	48.7	36.5	30.1	24.8	22.8	15.2	7.6
10.8V	352	260	226	136	80.5	47.5	35.5	29.8	24.6	22.6	15.1	7.5

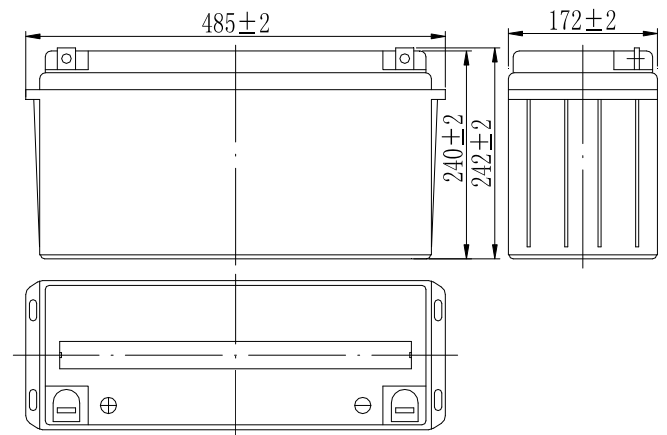
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	10h	20h
9.60V	910	568	492	289	168	97.5	72.5	58.3	47.9	44.1	29.4	14.7
9.90V	880	555	480	286	166	96.0	71.5	57.8	47.7	43.8	29.3	14.6
10.2V	823	542	472	282	162	94.5	70.5	57.6	47.4	43.6	29.1	14.5
10.5V	736	518	449	269	159	92.6	69.5	57.0	46.9	43.2	28.8	14.4
10.8V	669	493	428	258	153	90.0	67.5	56.5	46.5	42.8	28.6	14.3

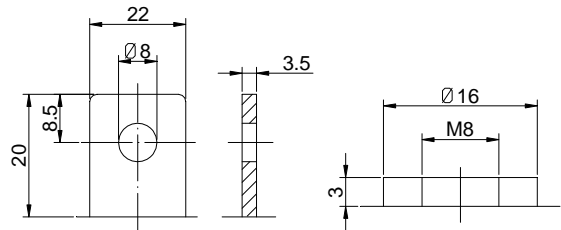
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions



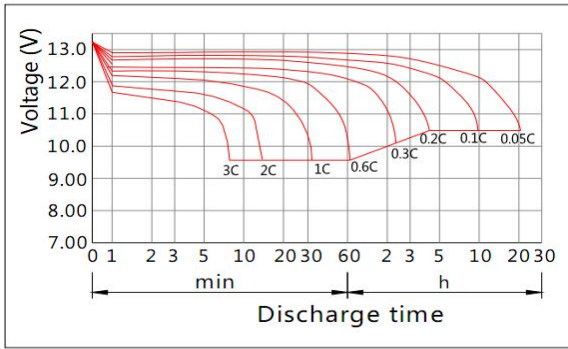
Terminal



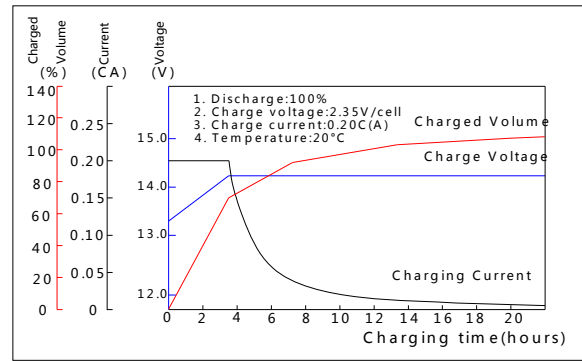
Terminal T5

Terminal T11

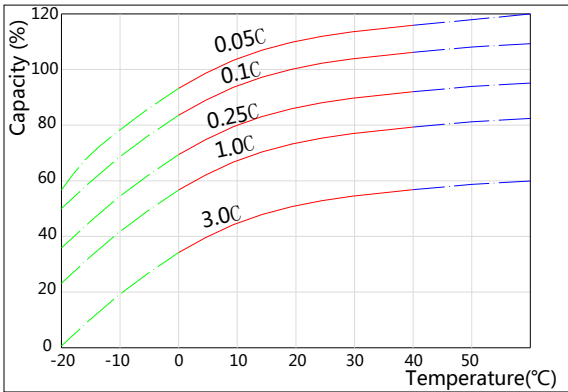
Discharge Characteristics(25°C)



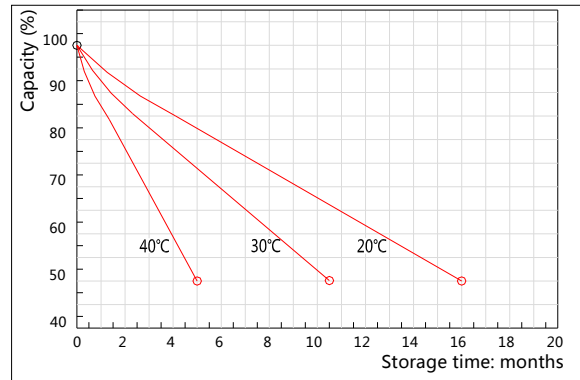
Charging Characteristics(25°C)



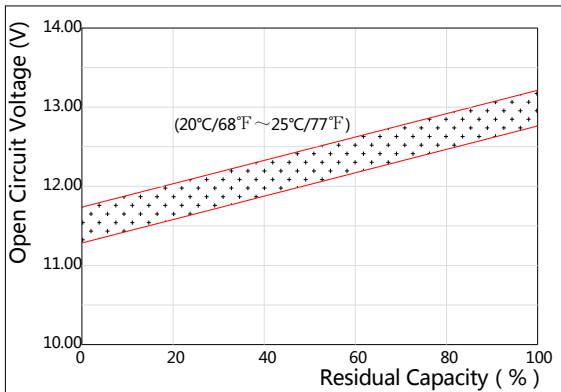
Effect of Temperature on Capacity



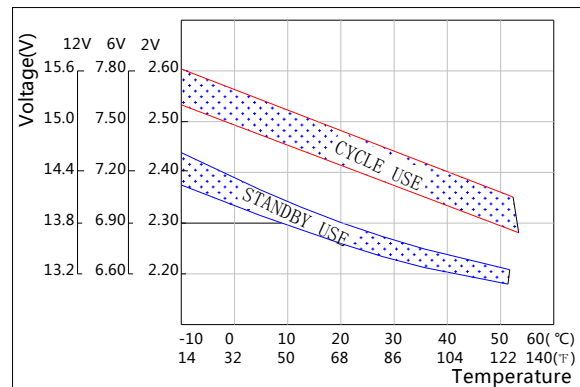
Self-discharge Characteristics



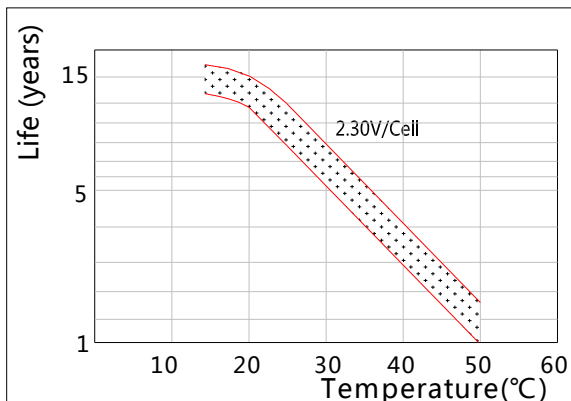
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

