

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	65 Ah
	5HR(10.2V)	50.5Ah
	1HR(9.6V)	37.8Ah
Dimension	Length	350±2mm (13.78inch)
	Width	167±2mm (6.57inch)
	Height	179±2mm (7.05inch)
	Total Height	179±2mm (7.05inch)
Approx. Weight		22kg (48.4lbs)±4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 6.5mΩ
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		13.0A
Terminal material		Copper
Maximum discharge current		650A(5 sec.)
Designed floating life(20°C)		15 years

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

Constant Current Discharge Characteristics (A, 25°C)

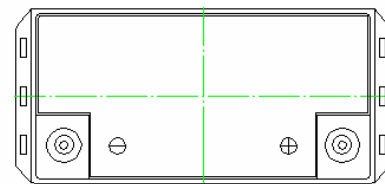
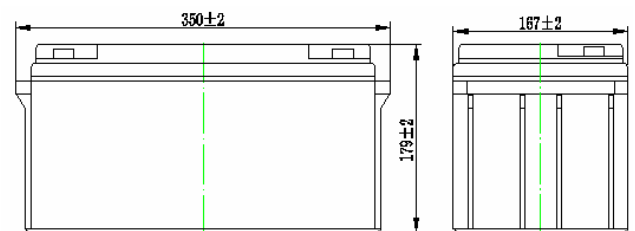
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	87.8	60.6	37.8	22.1	15.6	12.3	10.3	8.78	6.83	6.09	3.32	---	---
9.90V	85.8	59.3	37.2	22.0	15.5	12.2	10.2	8.71	6.76	6.08	3.32	----	---
10.2V	82.6	57.5	36.3	21.8	15.4	12.1	10.1	8.65	6.76	6.06	3.31	1.45	---
10.5V	80.0	56.2	35.6	21.5	15.3	12.0	10.1	8.58	6.70	6.02	3.25	1.44	0.60
10.8V	75.4	54.1	34.5	20.9	14.8	11.6	9.75	8.32	6.49	5.98	3.25	1.44	0.60

Constant Power Discharge Characteristics (Watt, 25°C)

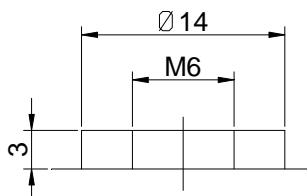
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	980	690	436	257	184	145	122	104	81.3	72.8	40.0	---	---
9.90V	956	677	429	255	183	144	122	103	81.3	72.8	40.0	----	---
10.2V	920	656	419	254	182	143	120	103	80.6	72.8	39.8	17.4	---
10.5V	889	640	410	250	181	142	120	102	80.0	72.2	39.2	17.3	7.22
10.8V	842	617	397	243	175	138	116	98.8	77.4	71.5	39.3	17.3	7.15

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

Dimensions

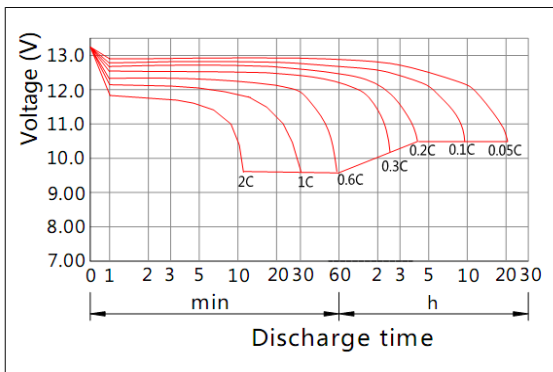


Terminal

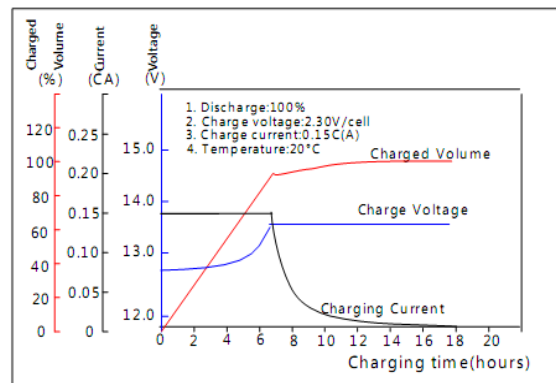


Terminal T9

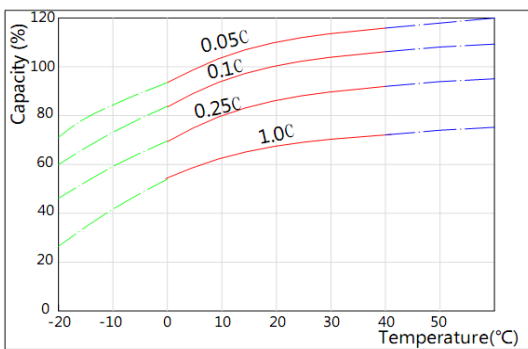
Discharge Characteristics(25°C)



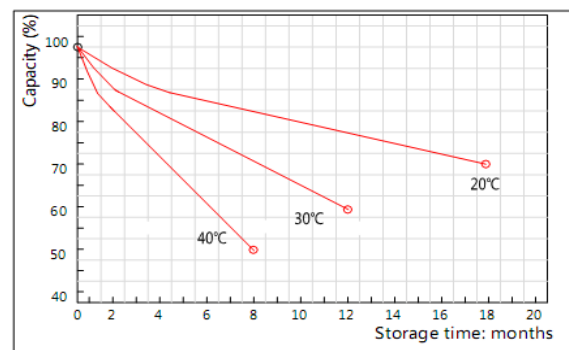
Charging Characteristics(25°C)



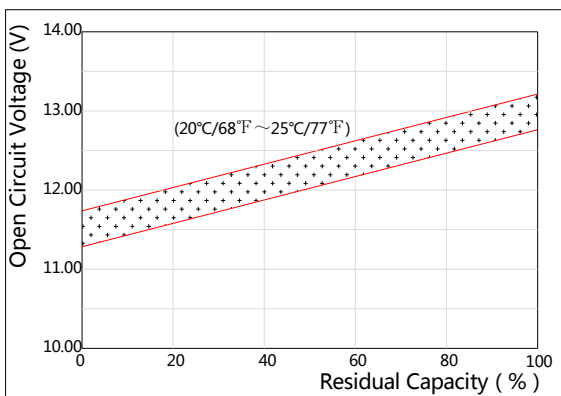
Effect of Temperature on Capacity



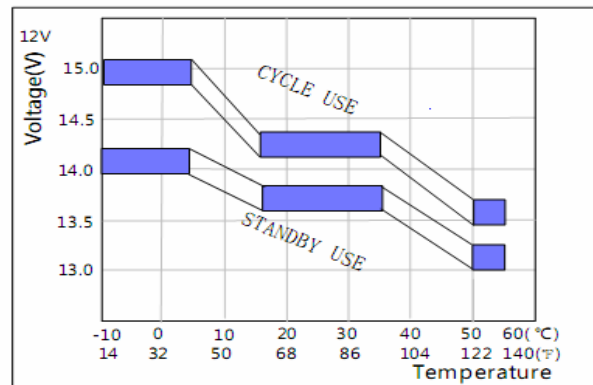
Self-discharge Characteristics



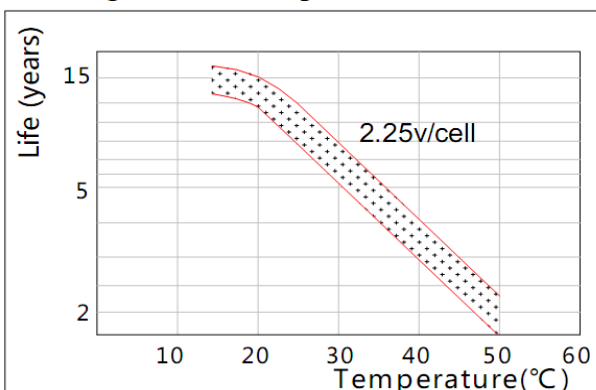
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

