

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	160 Ah
	5HR(10.2V)	125Ah
	1HR(9.6V)	92.8 Ah
Dimension	Length	530 ± 2mm (20.87inch)
	Width	207 ± 2mm (8.15inch)
	Height	214 ± 2mm (8.43inch)
	Total Height	214 ± 2mm (8.43inch)
Approx. Weight		53 kg (117lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 3.2m 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 ~ 50°C (5°F ~ 131°F)
	Charge	-10°C ~ 50°C (14°F ~ 131°F)
	Storage	-20°C ~ 50°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		32A
Terminal material		Copper
Maximum discharge current		1600A(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)

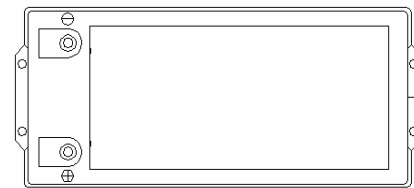
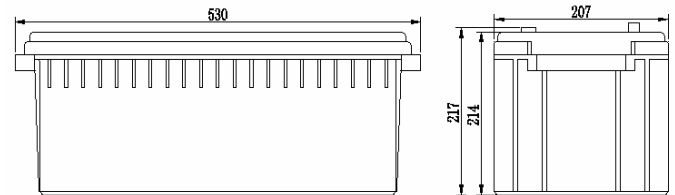
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	216	149	92.8	54.4	38.4	30.2	25.3	21.6	16.8	15.0	8.16	---	---
9.90V	211	146	92.0	54.1	38.1	30.1	25.1	21.4	16.6	15.0	8.16	---	---
10.2V	203	142	89.6	53.6	37.9	29.8	25.0	21.3	16.6	14.9	8.08	3.57	---
10.5V	197	138	88.0	52.8	37.6	29.6	24.8	21.1	16.5	14.8	8.00	3.54	1.47
10.8V	186	133	84.8	51.5	36.5	28.6	24.0	20.5	16.0	14.7	8.00	3.54	1.47

Constant Power Discharge Characteristics (Watt, 25°C)

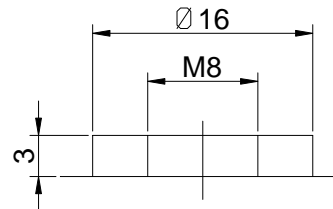
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	2411	1699	1072	634	453	357	301	256	200	180	98.4	---	---
9.90V	2352	1666	1056	629	451	355	299	254	200	179	98.4	---	---
10.2V	2266	1614	1030	624	448	352	296	253	198	179	98.4	42.8	---
10.5V	2189	1576	1010	614	445	350	294	251	197	178	96.8	42.6	17.8
10.8V	2074	1518	978	598	430	339	286	243	190	176	96.8	42.6	17.6

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

Dimensions

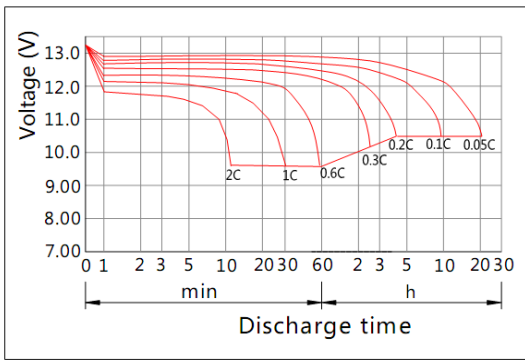


Terminal

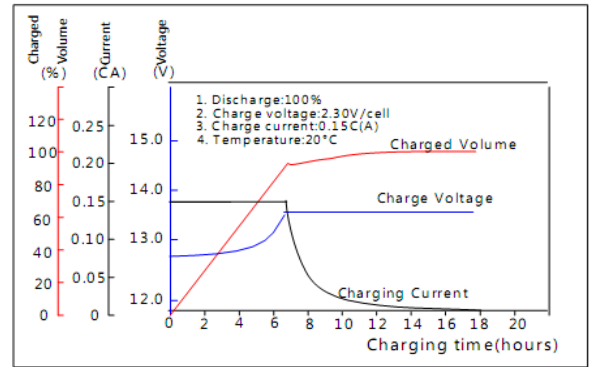


Terminal T11

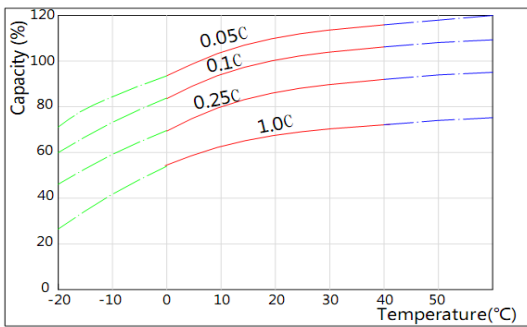
Discharge Characteristics(25°C)



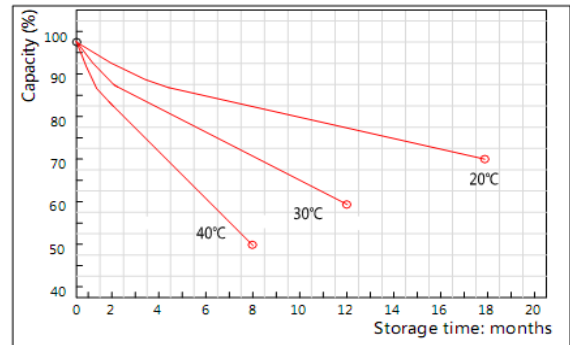
Charging Characteristics(25°C)



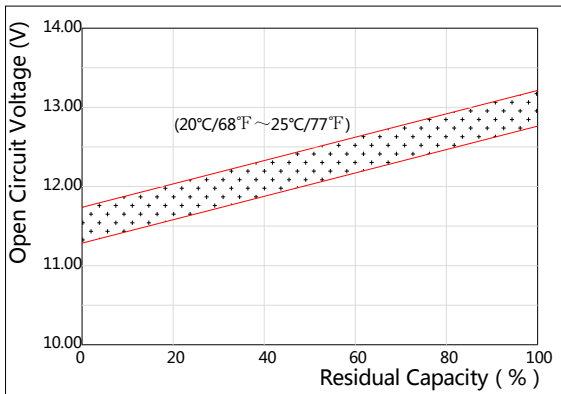
Effect of Temperature on Capacity



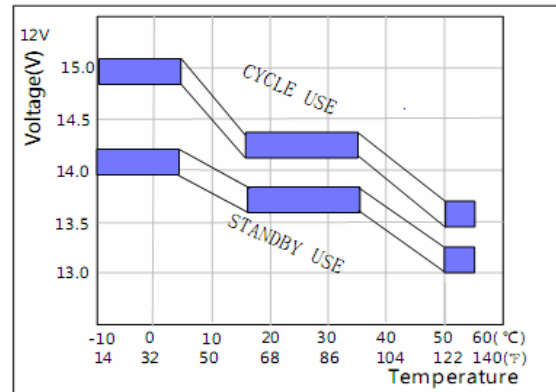
Self-discharge Characteristics



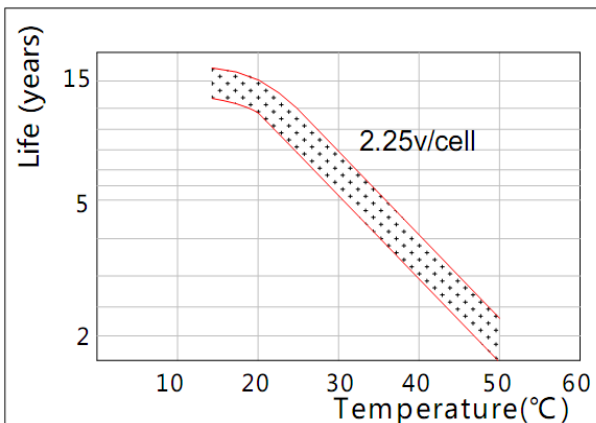
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

