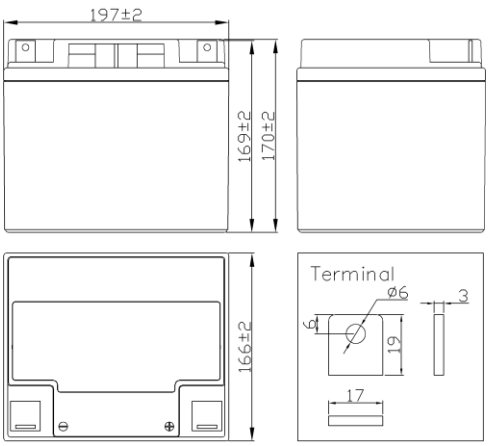
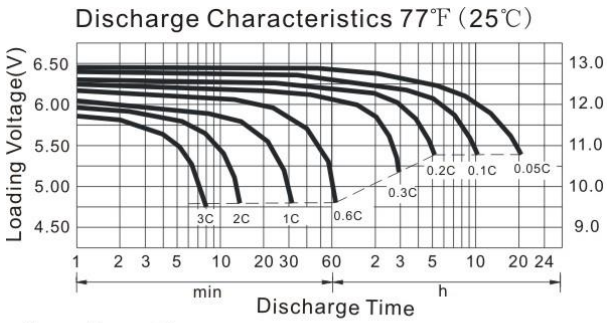


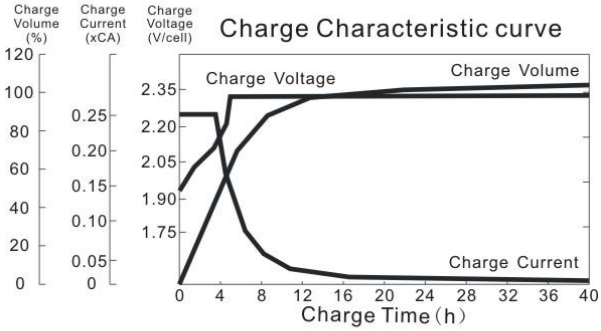
- **Specifications**

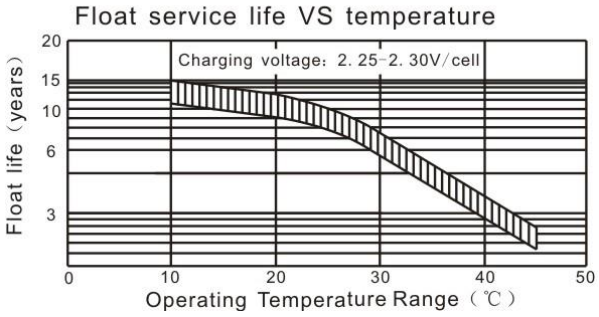
Nominal Voltage		12V
Rated Capacity 77⁰F(25⁰C) (10HR)		45.0Ah
Dimensions (mm)	Length	197±2
	Width	166±2
	Height	170±2
	Total Height	170±2
Approx. Weight (kg)		13.8±3%
Terminal		T4

- **Characteristic**

Capacity 77⁰F(25⁰C)	20HR (2.412A)	48.2Ah
	10HR (4.545A)	45.4Ah
	5HR (7.781A)	38.9Ah
	1HR (28.49A)	28.4Ah
	15 min rate (78.8A)	19.7Ah
Internal Resistance	Full Charged Battery 77⁰F(25⁰C)	Approx. 8mΩ
Temperature dependence of capacity (10HR)	104⁰F(40⁰C)	102%
	77⁰F(25⁰C)	100%
	32⁰F(0⁰C)	85%
	5⁰F(-15⁰C)	65%
Self-Discharge 68⁰F(20⁰C) (Capacity after)	3 months	90%
	6 months	80%
	12 months	60%
Max. Discharge Current, 77⁰F(25⁰C)		360A(5s)
Floating design life, 77⁰F(25⁰C)		10 years
Constant Voltage Charge,77⁰F(25⁰C)	Cycle	14.4~14.7V(-24mV/⁰C) max. current:11.25 A
	Float	13.6~13.8V(-18mV/⁰C)







Constant Current Discharge Characteristics (A), 77⁰F(25⁰C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	150.8	96.75	78.75	50.63	29.25	17.48	12.10	8.114	5.589	4.725	2.592
1.70V/cell	132.8	87.75	75.38	49.28	28.85	17.26	11.95	8.019	5.499	4.635	2.502
1.75V/cell	119.3	81.00	71.33	47.93	28.49	17.03	11.61	7.898	5.445	4.590	2.457
1.80V/cell	103.5	73.35	66.83	46.08	27.90	16.80	11.59	7.781	5.364	4.545	2.412

Constant Wattage Discharge Characteristics (Watt), 77⁰F(25⁰C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	260.0	172.5	143.1	94.50	56.06	34.09	23.99	16.13	11.12	9.411	5.180
1.70V/cell	234.5	159.4	138.8	92.80	55.53	33.80	23.76	15.98	10.97	9.255	5.004
1.75V/cell	213.7	149.2	132.5	91.06	55.07	33.50	23.55	15.78	10.89	9.180	4.914
1.80V/cell	188.0	136.9	125.3	88.32	54.17	33.32	23.16	15.56	10.73	9.090	4.824