

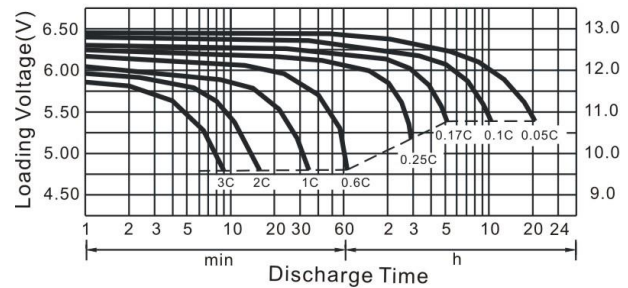
Specifications

Nominal Voltage		12V
Rated Capacity 77°F(25°C) (20HR)		7.0Ah
Dimensions (mm)	Length	151±2
	Width	65±1.5
	Height	95±1.5
	Total Height	101±2
Approx. Weight (kg)		2.15
Terminal		T1/T2

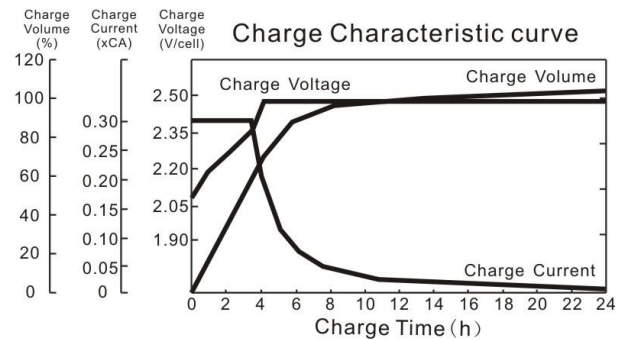
Characteristic

Capacity 77°F(25°C)	20HR (0.350A)	7.00Ah
	10HR (0.651A)	6.51Ah
	5HR (1.190A)	5.95Ah
	1HR (4.270A)	4.27Ah
	15 min rate (14.84A)	3.71Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	Approx. 22mΩ
Temperature dependence of capacity (20HR)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C) (Capacity after)	3 months	90%
	6 months	80%
	12 months	60%
Max. Discharge Current, 77°F(25°C)		105A(5s)
Floating design life, 77°F(25°C)		5 years
Constant Voltage Charge, 77°F(25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 2.1A
	Float	13.6~13.8V(-18mV/°C)

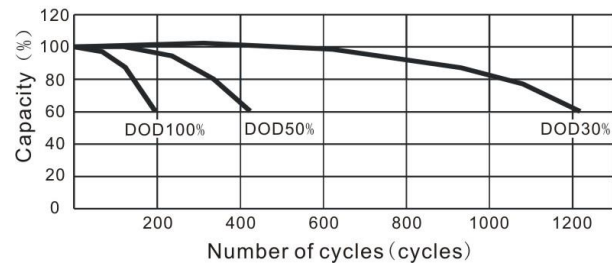
Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), 77°F(25°C)

F.V/TIME	5min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H	20H
1.60V/cell	28.35	19.85	14.84	11.82	7.840	4.577	3.633	1.827	1.232	0.672	0.361
1.70V/cell	26.94	18.86	14.10	11.23	7.665	4.410	3.500	1.785	1.211	0.665	0.357
1.75V/cell	25.86	18.10	13.53	10.78	7.441	4.330	3.437	1.750	1.190	0.651	0.353
1.80V/cell	24.75	17.19	12.96	10.33	7.126	4.256	3.378	1.720	1.169	0.644	0.350

Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)

F.V/TIME	5min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H	20H
1.60V/cell	51.49	36.38	27.45	21.97	14.63	8.618	6.902	3.501	2.380	1.323	0.714
1.70V/cell	49.38	34.89	26.31	21.07	14.43	8.379	6.709	3.451	2.359	1.316	0.707
1.75V/cell	47.84	33.78	25.48	20.38	14.13	8.299	6.644	3.413	2.338	1.302	0.703
1.80V/cell	46.20	32.38	24.63	19.71	13.66	8.228	6.587	3.383	2.317	1.288	0.700

