

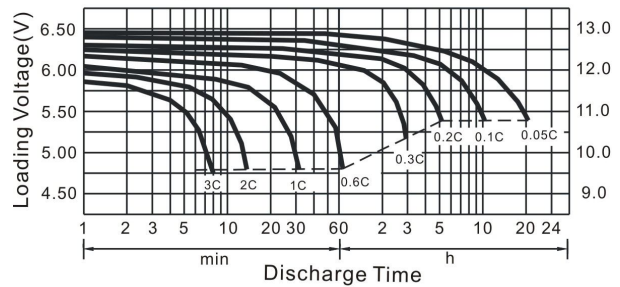
● Specifications

Nominal Voltage		12V
Rated Capacity 77°F(25°C) (10HR)		100.0Ah
Dimensions (mm/inch)	Length	506 (19.92)
	Width	110 (4.33)
	Height	238 (9.37)
	Total Height	238 (9.37)
Approx. Weight (kg/lbs)		33.6 (74.07)
Terminal		Front Term

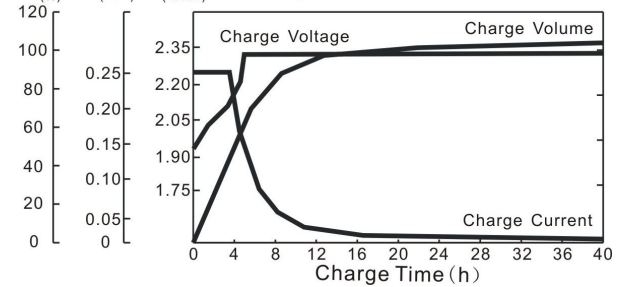
● Characteristic

Capacity 77°F(25°C)	20HR (5.50A)	110.0Ah
	10HR (10.2A)	102.0Ah
	5HR (17.5A)	87.5Ah
	1HR (58.0A)	58.0Ah
	15 min rate (175.0A)	43.8Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	Approx. 5mΩ
Temperature dependence of capacity (10HR)	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)		800A(5s)
Design life for deep cycle(DOD80%), 77°F(25°C)		300 Cycles
Constant Voltage Charge, 77°F(25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current: 25 A
	Float	13.6~13.8V(-18mV/°C)

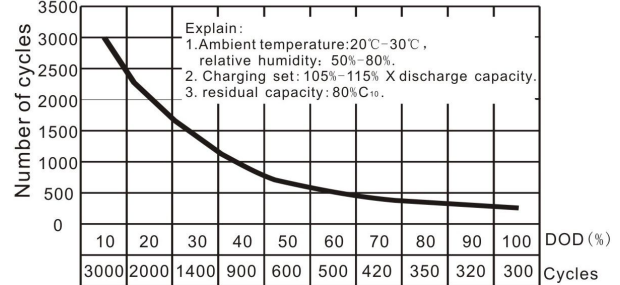
Discharge Characteristics 77°F (25°C)



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	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	340.0	220.0	175.0	100.0	60.35	37.45	28.04	18.48	12.21	10.64	5.66
1.70V/cell	323.0	209.0	167.1	95.6	59.05	36.69	27.49	18.14	12.04	10.50	5.60
1.75V/cell	308.0	196.0	164.1	93.6	58.00	36.00	26.99	17.81	11.87	10.35	5.55
1.80V/cell	289.0	181.0	161.2	91.8	57.05	35.38	26.50	17.50	11.70	10.20	5.50

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

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	603.5	399.7	320.8	184.2	111.65	69.91	52.81	35.11	23.40	20.75	11.03
1.70V/cell	578.7	383.2	309.1	177.7	110.23	69.10	52.23	34.77	23.28	20.65	11.02
1.75V/cell	557.0	362.6	306.3	175.6	109.23	68.40	51.73	34.43	23.15	20.53	11.01
1.80V/cell	527.4	337.9	303.6	173.7	108.40	67.81	51.23	34.12	23.01	20.40	11.00