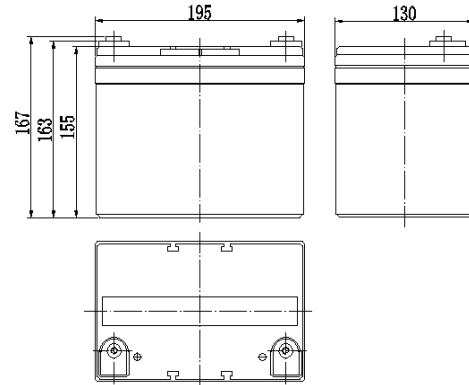


RC12-33D (12V-33A)



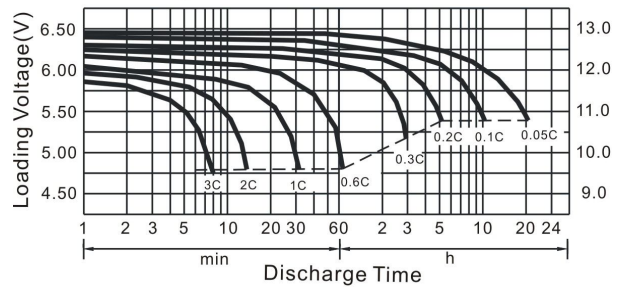
● Specifications

Nominal Voltage		12V
Rated Capacity 77°F(25°C) (10HR)		33.0Ah
Dimensions (mm/inch)	Length	195 (7.68)
	Width	130 (5.12)
	Height	167 (6.57)
	Total Height	175 (6.89)
Approx. Weight (kg/lbs)		10.5 (23.15)
Terminal		T8/T11

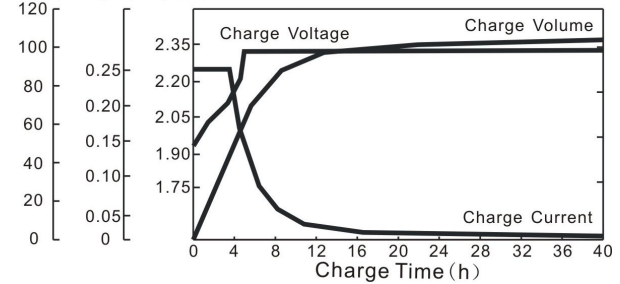
● Characteristic

Capacity 77°F(25°C)	20HR (1.81A)	36.2Ah
	10HR (3.36A)	33.6Ah
	5HR (5.77A)	28.8Ah
	1HR (19.14A)	19.1Ah
	15 min rate (57.75A)	14.4Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	Approx. 10.5mΩ
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)		330A(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: 8.25 A
	Float	13.6-13.8V(-18mV/°C)

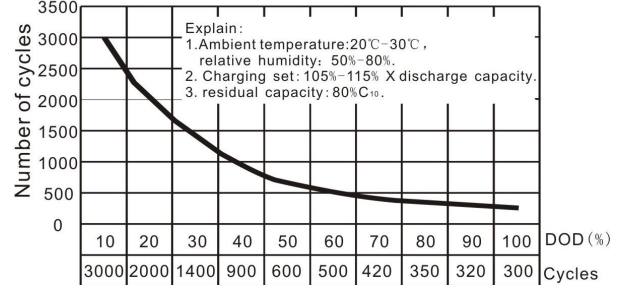
Discharge Characteristics 77°F (25°C)



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	112.2	92.6	57.7	33.0	19.92	12.36	9.25	6.09	4.03	3.51	1.87
1.70V/cell	106.6	69.0	55.1	31.6	19.48	12.11	9.07	5.98	3.97	3.46	1.85
1.75V/cell	101.6	64.7	54.2	30.9	19.14	11.88	8.90	5.87	3.92	3.41	1.83
1.80V/cell	95.4	59.8	53.2	30.3	18.83	11.67	8.74	5.77	3.86	3.36	1.81

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	199.1	131.8	105.8	60.7	36.85	23.07	17.43	11.59	7.22	6.85	3.64
1.70V/cell	191.0	126.4	102.0	58.6	36.38	22.80	17.23	11.47	7.68	6.82	3.64
1.75V/cell	183.8	119.7	101.1	57.9	36.05	22.57	17.07	11.36	7.64	6.77	3.63
1.80V/cell	174.1	111.5	100.2	57.4	35.77	22.37	16.90	12.25	7.59	6.73	3.63