

PT150-12

12Volt 150Ah

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

10 hour rate (15A to 10.80V)	150 Ah
5 hour rate (25.5A to 10.20V)	131 Ah
1 hour rate (90A to 9.60V)	89.6 Ah

Weight Approx. 42kg (93Lbs.)

Internal Resistance (at 1KHz) Approx. 4.2mΩ

Maximum Discharge Current for

5 seconds: 1500A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 45A

Standby use:

Float Charging Voltage 13.5 to 13.8V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C (5°F) to 40°C (104°F)

Discharge -15°C (5°F) to 50°C (122°F)

Storage -15°C (5°F) to 40°C (104°F)

Design Life 12 years

Charge Retention (shelf life) at 20°C (68°F)

1 month 98%

3 month 94%

6 month 85%

Case Material ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Terminal F18

Description of torque value of hard ware for the terminals:

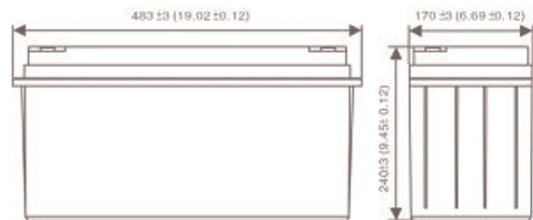
Recommended torque value **M8: 7 N-m (71kgf-cm)**

Maximum allowable torque value **M8: 9 N-m (92kgf-cm)**

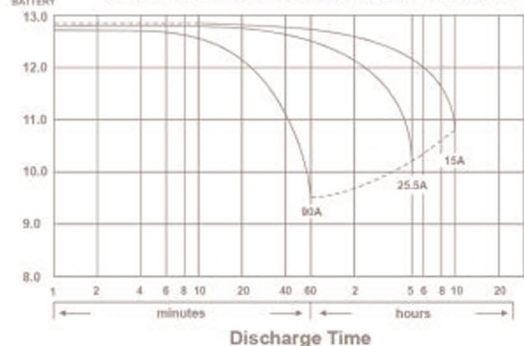


Dimensions

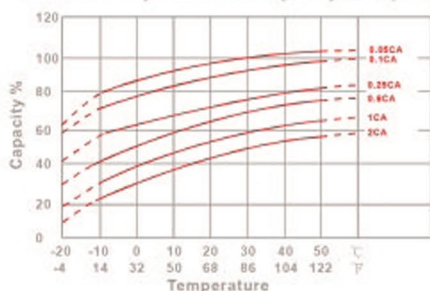
mm(inch)



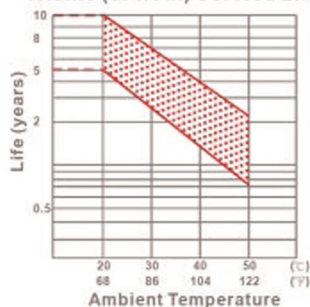
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



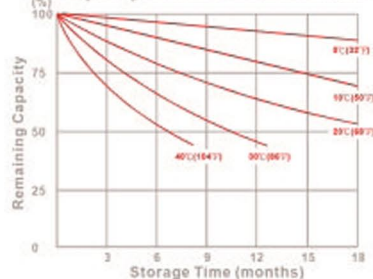
Effect of Temperature on Capacity 25°C (77°F)



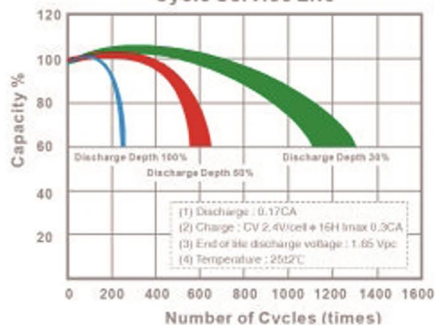
Trickle (or float) Service Life



Capacity Retention Characteristic



Cycle Service Life



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	317.8	244.9	143.5	86.2	52.7	39.7	31.4	26.5	18.1	15.3	7.79
1.65V	307.2	237.6	140.5	84.6	51.8	39.1	31.0	26.1	17.9	15.1	7.72
1.70V	293.4	228.0	136.5	82.5	50.6	38.3	30.4	25.7	17.6	14.9	7.63
1.75V	274.9	215.0	131.1	79.5	49.0	37.2	29.6	25.1	17.2	14.7	7.50
1.80V	250.2	197.6	123.7	75.5	46.7	35.6	28.5	24.2	16.7	14.3	7.32
1.85V	216.4	173.6	113.1	69.7	43.5	33.4	26.9	23.0	15.9	13.7	7.05

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	569	451	274	170	105	79.8	63.4	53.7	37.1	31.6	16.2
1.65V	564	446	273	168	104	79.0	62.9	53.3	36.8	31.4	16.0
1.70V	545	432	266	165	102	77.6	61.9	52.5	36.3	31.0	15.9
1.75V	520	413	258	160	99.2	75.7	60.5	51.4	35.6	30.4	15.6
1.80V	481	385	246	152	95.1	72.8	58.4	49.9	34.6	29.6	15.2
1.85V	424	343	228	141	89.1	68.6	55.4	47.5	33.1	28.5	14.7

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.