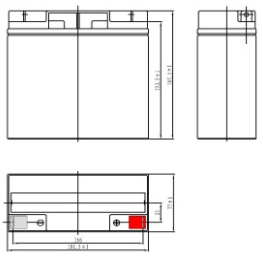
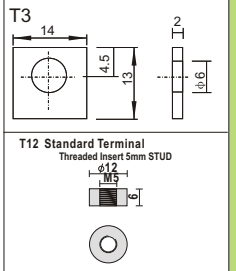
LPC12-18 (12V18AH)

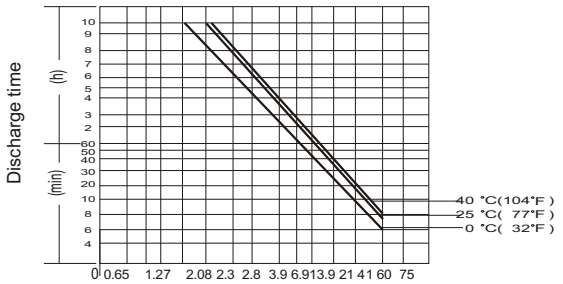
Dimensions (mm)



Standard Terminal(mm)



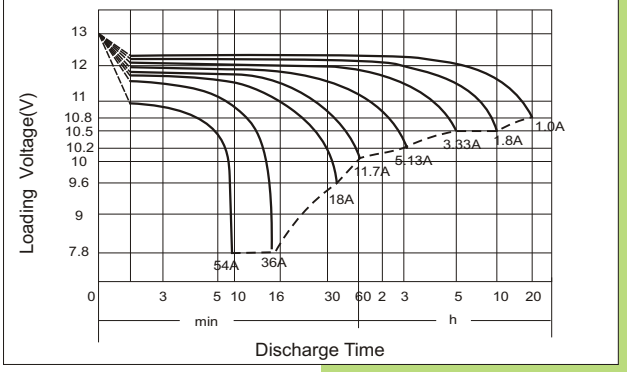
Discharging Current & Discharge Duration Time



PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		12V 18AH
Dimension	Length Width Container Height Total Height (with Cover)	181.5±1mm (7.14 inches) 77±1mm (3.03 inches) 167.5±1mm (6.59 inches) 167.5±1mm (6.59inches)
Weight		Approx 6.0kg (13.23lbs)
Standard Terminal		T3/T12(standard)

Discharge Characteristics (25℃,77℉)



Constant Current (Amp) and Constant Power (Watt) Discharge Table (25℃,7 7℉)

Final voltage/Cell \ Time(minute) / Amp/Watt		5	10	15	20	30	45	60
1.60	A	74.0	50.0	37.5	31.0	23.0	17.5	12.3
1.60	W	740	510	395	330	250	193	138
1.70	A	61.0	42.6	33.0	27.4	21.0	16.6	11.5
1.70	W	636	456	358	300	235	183	132

ELECTRICAL SPECIFICATION

Rated Capacity	20 hour rate (1.0 A) 10 hour rate (1.8 A) 5 hour rate (3.33 A) 1 hour rate (11.7 A) 15minute rate (36.0 A)	20.0AH 18.0AH 16.7AH 11.7AH 9.0AH	Constant-Voltage Charge	Cycle	Initial Charging Current less than5.4A.Voltage 14.4V~ 15.0V at 25℃ (77℉) Temp. Coefficient -30mV/℃
Capacity affected by Temperature	40℃ (104℉) 25℃ (77℉) 0℃ (32℉)	103% 100% 86%		Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25℃ (77℉) Temp. Coefficient - 20mV/℃

Constant Current (Amp) and Constant Power (Watt) Discharge Table (25℃,77℉)

Time(minute) Final voltage/Cell / Amp/Watt/Cell	5 1.3	10 1.3	15 1.3	20 1.3	30 1.6	45 1.6	60 1.67	120 1.7	180 1.75	300 1.75	600 1.75	1200 1.8
A	88.2	54.0	38.8	32.7	23.0	17.5	11.7	7.02	5.13	3.33	1.80	1.00
W	149.4	102.8	69.8	60.8	41.7	32.2	22.5	14.2	10.1	6.56	3.59	2.00