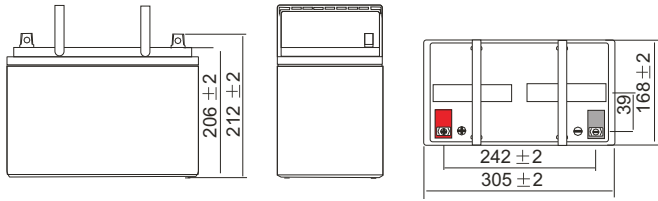


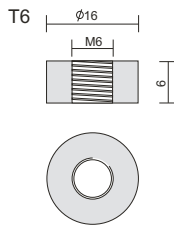


PS-121000 12V 100AH

Dimensions (mm)



Standard Terminal (mm)



Physical Specification

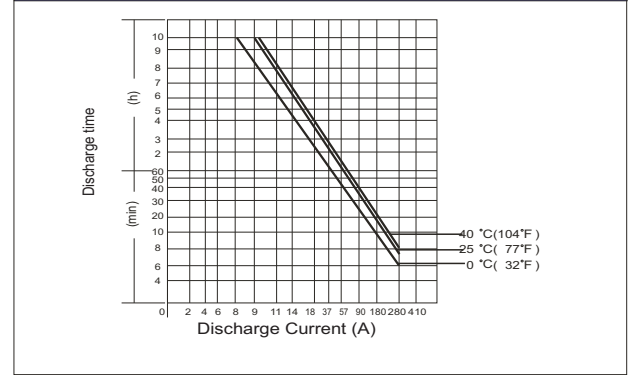
Nominal Voltage		12V
Nominal Capacity (20HR)		100AH
Dimension	Length	305 ± 2mm
	Width	168 ± 2mm
	Container Height	206 ± 2mm
	Total Height (with Terminal)	212 ± 2mm
Weight		Approx 27Kg
Standard Terminal		T6

Electrical Specification

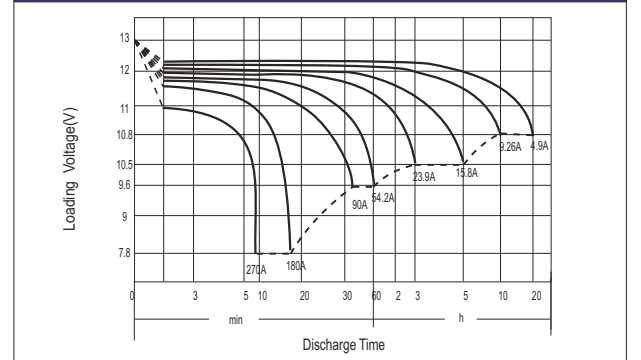
Rated Capacity	20 hour rate (5.0A)	98AH	Constant-Voltage	Cycle	Initial Charging Current less than 42A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (9.62A)	96AH			
	5 hour rate (16.8A)	84AH			
	1 hour rate (54.2A)	54.2AH			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient - 20mV/°C
	25°C (77°F)	100%			
	0°C (32°F)	86%			



Discharging Current & Discharge Duration Time



Discharge Characteristics (25°C, 77°C)



Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	333.7	232.1	176.4	103.9	58.7	36.1	27.60	22.3	18.0	11.9	10.1	5.24
1.67V	287.8	207.2	160.0	96.4	55.9	34.6	26.30	21.2	17.2	11.7	9.91	5.19
1.70V	274.4	198.1	155.1	93.3	54.8	34.0	25.70	20.9	17.0	11.7	9.81	5.15
1.75V	249.2	181.7	145.3	89.6	54.2	32.7	24.60	20.0	16.8	11.6	9.71	5.05
1.80V	221.0	165.4	133.0	86.3	50.8	31.5	23.62	19.5	16.2	11.3	9.62	5.00
1.85V	164.6	129.4	110.1	73.2	45.3	28.9	22.80	18.7	15.0	10.6	9.08	4.95

Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	3319.4	2367.0	1851.8	1136.6	661.9	410.9	316.8	257.0	208.7	139.8	119.4	61.9
1.67V	2950.8	2172.9	1714.8	1066.4	636.4	396.2	303.6	245.6	199.6	137.8	117.2	61.5
1.70V	2834.0	2086.4	1668.6	1036.2	626.2	391.0	297.5	242.6	197.9	137.3	116.1	61.0
1.75V	2647.0	1958.7	1585.0	1001.2	620.6	377.0	284.9	232.1	196.0	136.7	114.9	59.9
1.80V	2398.7	1811.6	1469.1	972.4	584.8	364.9	274.5	227.2	189.0	133.2	114.0	59.4
1.85V	1806.2	1434.7	1232.5	836.9	526.4	336.6	266.9	218.7	176.8	125.9	107.8	58.9

