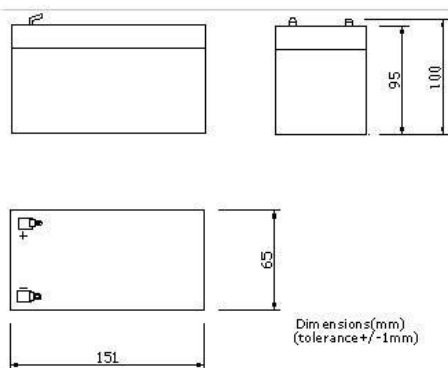


Lightwave

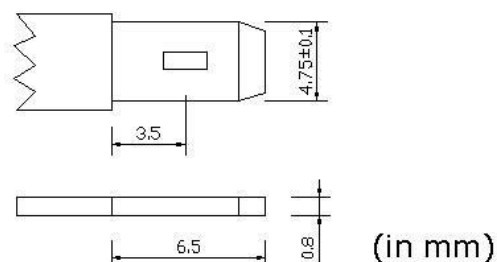
LW 7.5Ah

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20HR)		7.5Ah
Dimension	Length	151±1mm (5.94 inches)
	Width	65±1mm (2.56 inches)
	Container Height	95±1mm (3.74 inches)
	Total Height	100±1mm (3.94 inches)
Weight		Approx. 2.0 Kg (4.41lbs) ±5%
Standard Terminal		Fasten Tab No.187E



F1(Fasten Tab No.187E)
Standard Terminal



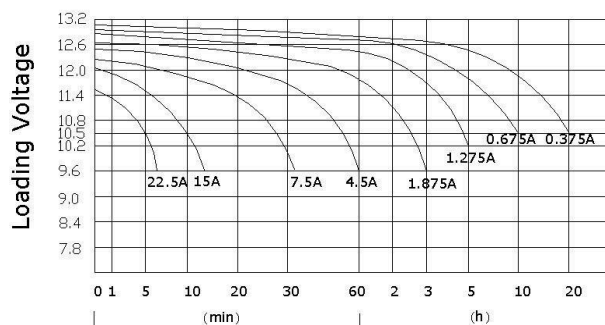
ELECTRICAL SPECIFICATION

Characteristics

Capacity	20 hour rate (0.375A)	7.5Ah
	10 hour rate (0.675A)	7.1Ah
	5 hour rate (1.275A)	6.4Ah
	3 hour rate (1.875A)	5.7 Ah
	1hour rate (4.5A)	4.5Ah
Capacity affected by temperature	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
Internal Resistance		Full charged battery (25°C,77 °F) 25mΩ
Constant Voltage Charge	Cycle	Initial Charging Current less than 2.25A Voltage 14.4~15.0V at 25°C (77 °F) Temperature Coefficient -30mV/°C
	Standby	No limit on Initial Charging Current Voltage 13.5~13.8V at 25°C (77 °F) Temperature Coefficient -20mV/°C

Discharge curves @ 25°C (77 °F)

Discharge Characteristics(25°C/77 ° F)



CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	27.2	16.9	12.8	7.79	4.96	2.18	1.33	0.74	0.39
1.67V	25.5	16.1	12.3	7.45	4.89	2.09	1.30	0.74	0.38
1.70V	23.4	15.4	12.0	6.77	4.74	1.95	1.28	0.73	0.38
1.75V	22.9	15.0	11.6	6.43	4.51	1.89	1.24	0.72	0.36
1.80V	20.6	14.4	10.5	5.96	4.22	1.81	1.17	0.72	0.35

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	47.7	30.5	23.4	14.0	8.94	3.86	2.24	1.49	0.78
1.67V	46.1	29.8	23.0	13.7	8.88	3.73	2.24	1.48	0.75
1.70V	43.4	29.5	22.8	12.9	8.71	3.57	2.21	1.47	0.74
1.75V	40.5	29.4	22.6	12.4	8.56	3.48	2.19	1.45	0.73
1.80V	40.0	28.9	21.0	11.9	8.07	3.38	2.12	1.43	0.71

