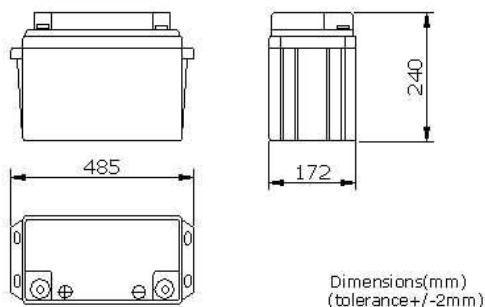


Lightwave

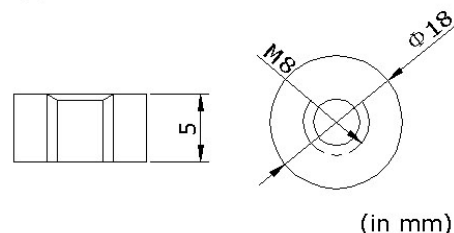
LW 150Ah

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		12V 150Ah
Dimension	Length	485±2mm (19.09 inches)
	Width	172±2mm (6.77 inches)
	Container Height	240±2mm (9.45 inches)
	Total Height	240±2mm (9.45 inches)
Weight		Approx. 44Kg(96.9lbs) ± 5%
Standard Terminal		B3(Bolt-and-nut Lead terminal) Bolt Type: M8



Bolt-and-nut terminal
Bolt Type:M8

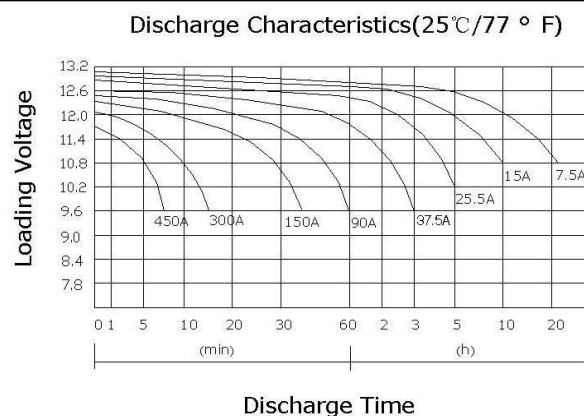


ELECTRICAL SPECIFICATION

Characteristics

Capacity	10 hour rate (15A)	150Ah
	5 hour rate (25.5A)	128Ah
	3 hour rate (37.5A)	113Ah
	1 hour rate (90A)	90Ah
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) 6mΩ
Constant Voltage Charge	Cycle	Initial Charging Current less than 37.5A 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)



CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	525	360	263	158	99.0	41.0	28.7	15.9	7.91
1.67V	473	329	255	153	98.9	40.8	28.4	15.6	7.88
1.70V	449	317	246	150	98.6	40.8	28.4	15.6	7.88
1.75V	399	293	233	147	97.5	40.5	28.2	15.3	7.85
1.80V	360	272	222	143	96.3	40.4	27.9	15.0	7.56

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	865	594	465	297	195	78.5	54.8	31.8	15.8
1.67V	819	588	460	291	189	78.5	54.8	31.3	15.8
1.70V	767	577	453	283	183	78.5	54.8	31.1	15.8
1.75V	715	537	426	276	182	77.3	54.2	30.6	15.7
1.80V	640	500	400	268	179	76.2	53.3	30.0	15.1

