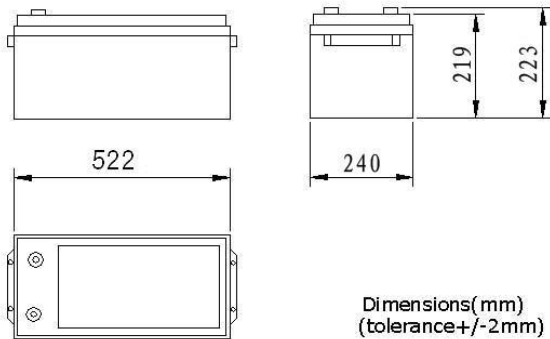
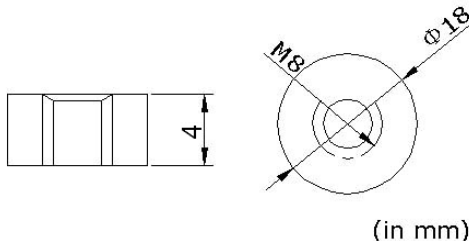


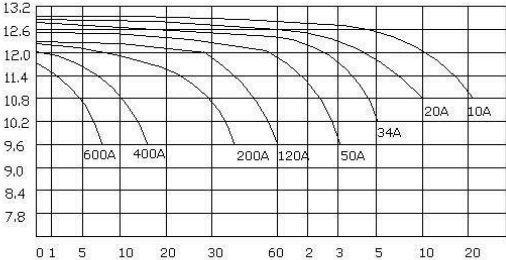
Lightwave

LW 200Ah

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		12V 200Ah	
Dimension	Length	522±2mm (20.51 inches)	
	Width	240±2mm (9.45 inches)	
	Container Height	219±2mm (8.62 inches)	
	Total Height	223±2mm (8.78 inches)	
Weight		Approx. 59.5Kg (131.1lbs) ±5%	
Standard Terminal		Bolt-and-nut terminal Bolt Type: M8	
 Dimensions(mm) (tolerance+/-2mm)			Bolt-and-nut terminal Bolt Type:M8  (in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)	
Capacity	10 hour rate (20A)	200Ah	Discharge Characteristics(25°C/77 ° F) 	
	5 hour rate (34A)	170Ah		
	3 hour rate (50A)	150Ah		
	1hour rate (120A)	120Ah		
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) 5.5mΩ		
Constant Voltage Charge	Cycle	Initial Charging Current less than 50A 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		

CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	700	480	350	210	132	54.6	38.2	21.2	10.5
1.67V	630	438	340	204	132	54.4	37.8	20.9	10.5
1.70V	598	422	328	200	131	54.4	37.8	20.7	10.5
1.75V	532	390	310	196	130	54.0	37.5	20.4	10.5
1.80V	480	362	296	190	128	53.8	37.2	20.0	10.1

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1154	792	620	396	260	105	73.0	42.4	21.1
1.67V	1092	785	614	388	252	105	73.0	41.8	21.0
1.70V	1023	769	604	378	245	105	73.0	41.5	21.0
1.75V	954	716	568	368	242	103	72.2	40.8	20.9
1.80V	854	666	534	358	238	102	71.0	40.0	20.2