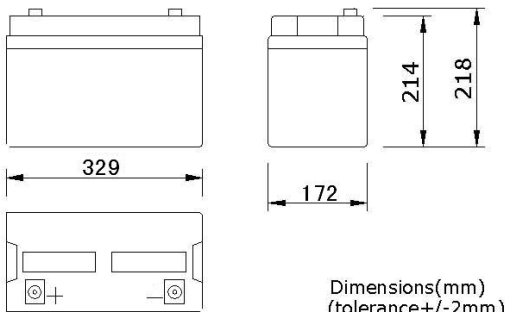
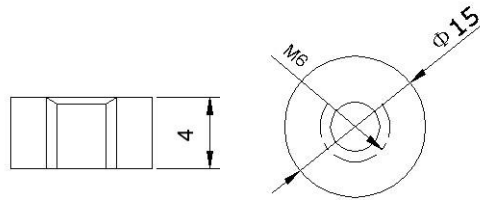


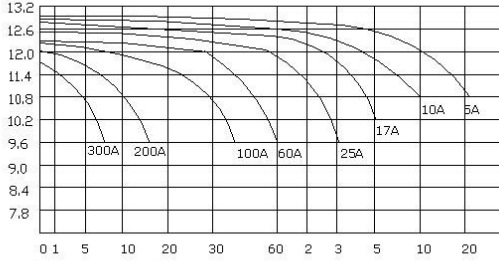
Lightwave

LW 100Ah

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10HR)		12V 100Ah	
Dimension	Length	329±2mm (12.95 inches)	
	Width	172±2mm (6.77 inches)	
	Container Height	214±2mm (8.4 inches)	
	Total Height	218±2mm (8.58 inches)	
Weight		Approx. 28.5Kg (62.81lbs) ±5%	
Standard Terminal		B3(Bolt-and-nut terminal) Bolt Type: M6	
 Dimensions(mm) (tolerance+/-2mm)		Bolt-and-nut terminal Bolt Type: M6  (in mm)	

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25℃ (77 ° F)			
Capacity	10 hour rate (10A)	100Ah	Discharge Characteristics(25℃/77 ° F) 			
	5 hour rate (17A)	85Ah				
	3 hour rate (25A)	75Ah				
	1hour rate (60A)	60Ah				
Capacity affected by temperature	40℃ (104 °F)	102%				
	25℃ (77 °F)	100%				
	0℃ (32 °F)	85%				
Internal Resistance		Full charged battery (25℃,77 °F) 7.0m Ω				
Constant Voltage Charge	Cycle	Initial Charging Current less than 25A Voltage 14.4~15.0V at 25℃ (77 °F) Temperature Coefficient -30mV/℃				
	Standby	No limit on Initial Charging Current Voltage 13.5~13.8V at 25℃ (77 °F) Temperature Coefficient -20mV/℃				

CONSTANT CURRENT DISCHARGE RATING A@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	350	240	175	105	66.0	27.3	19.1	10.6	5.27
1.67V	315	219	170	102	65.9	27.2	18.9	10.4	5.25
1.70V	299	211	164	100	65.7	27.2	18.9	10.4	5.25
1.75V	266	195	155	98	65.0	27.0	18.8	10.2	5.23
1.80V	240	181	148	95	64.2	26.9	18.6	10.0	5.04

CONSTANT POWER DISCHARGE RATING WATT PER CELL@25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	577	396	310	198	130	52.3	36.5	21.2	10.5
1.67V	546	392	307	194	126	52.3	36.5	20.9	10.5
1.70V	512	385	302	189	122	52.3	36.5	20.7	10.5
1.75V	477	358	284	184	121	51.5	36.1	20.4	10.5
1.80V	427	333	267	179	119	50.8	35.5	20.0	10.1