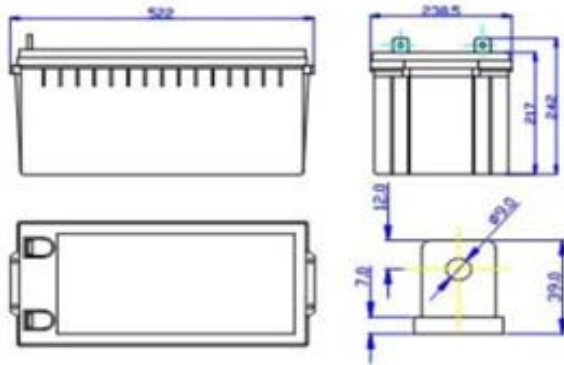




LUM 12V 200Ah @ 20Hr rate



Battery Construction

Component	Positive Plate	Neg. Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw Material	Lead dioxide	Lead	ABS	ABS	Rubber	Lead Alloy	AGM	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- Can be mounted in any orientation*
- Long service life, float or cyclic application. Maintenance free operation
- Low self-discharge.

*except up side down

Dimensions and Weight

Length (mm / inch)	: 522 / 20.55
Width (mm / inch)	: 238 / 9.38
Height (mm / inch)	: 217 / 8.54
Total Height (mm / inch)	: 242 / 9.53
Approx. Weight (Kg/lbs)	: 54/120

Performance Characteristics

Nominal Voltage	: 12V
Design Life	: 3~4 years
Nominal Capacity 80.6°F(27°C)	
20 hour rate (10A, 10.50 V)	: 200Ah
1hour rate (120A, 10.50 V)	: 120Ah
Internal Resistance	
Fully Charged battery 80.6°F(27°C)	: 4mΩ
Self-Discharge	
3% of capacity declined per month at 20°C (average)	
Operating Temperature Range	: -20 ~ 60 °C
Max. Discharge Current 80.6°F (27°C)	: 1700A(5s)
Short Circuit Current	: 1550A
Charge Methods: Constant Voltage Charge 80.6°F (27°C)	
Cycle use	: 14.10-14.40V
Maximum charging current	: 58A
Temperature compensation	: -5mV/°C
Standby use	: 13.60 ~ 13.80V
Temperature compensation	: -3mV/°C

DISCHARGE CONSTANT CURRENT PER MODULE (AMPERES AT 80.6°F/27°C)

EMV	10min	15min	20min	30min	1Hr	2Hr	3Hr	4Hr	5 Hr	6 Hr	8 Hr	10Hr	20 Hr
9.6	502	384	302	230	131	75.2	53.8	42.0	35.6	30.6	23.4	20.0	10.6
10.2	478	366	288	218	125	72.2	51.4	40.4	34.0	30.0	22.8	19.2	10.3
10.5	454	326	278	210	122	71.0	50.6	39.6	33.4	29.6	22.6	18.8	10.0
10.8	430	308	206	200	120	69.4	49.0	35.6	31.6	27.2	22.4	18.6	9.86

*EMV: End Module Voltage

DISCHARGE CONSTANT CURRENT PER MODULE (WATT AT 80.6°F/27°C)

EMV	10min	15min	20min	30min	1Hr	2Hr	3Hr	4Hr	5 Hr	6 Hr	8 Hr	10Hr	20 Hr
9.60	6024	4608	3624	2760	1572	902.4	645.6	504.0	427.2	367.2	280.8	240.0	127.2
10.2	5736	4416	3456	2616	1500	866.4	616.8	484.8	408.0	360.0	273.6	230.4	123.6
10.5	5448	3912	3336	2520	1464	852.0	607.2	475.2	400.8	355.2	271.2	225.6	120.0
10.8	5160	3696	3192	2400	1440	832.8	588.0	427.2	379.2	326.4	268.8	223.2	118.32

*EMV: End Module Voltage