

EG200-12 (12V200Ah/20hr)



EG Series is GEL battery which is manufactured with AGM separator and colloidal . Eagle Gel battery are featured with low self-discharge、 strong ability to recover from deep discharging、 excellent cycle life and performance at cold ambient temperatures than conventional VRLA.

Battery Construction

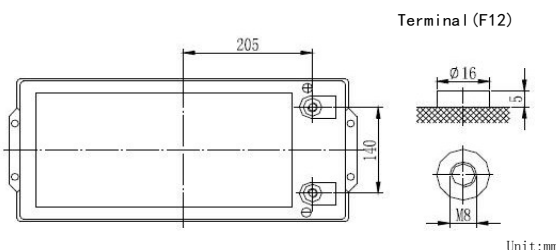
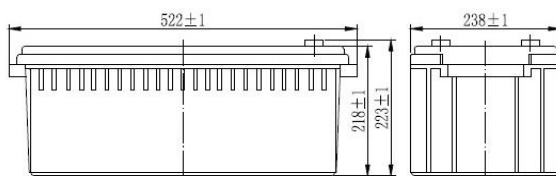
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Colloidal silicon

General Feature

- Micro millimeter SiO₂ and H₂SO₄ technology for Efficient gas recombination of up to 99% and Freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- CE-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.
- Warranty period : 3 years .

SPECIFICATION

Nominal voltage 12V
 Number of cell 6
 Length(mm/inch) 522/20.55
 Width(mm/inch) 238/9.37
 Height(mm/inch) 218/8.58
 Total Height(mm/inch) 223/8.78
 Approx. Weight (kg/lbs)55.1/121.4



Performance Characteristics

Capacity 77°F(25°C)	100 hour rate (2.4A、 11.1V)	240Ah
	20 hour rate (10A、 10.8V)	200Ah
	10 hour rate (19A、 10.5V)	190Ah
	1 hour rate (128A、 9.6V)	128Ah
Internal Resistance	Full charged Battery77°F(25°C):5mΩ	
Operating Temperature Range	Discharge: -20~60°C	
	Charge: -10~60°C	
	Storage: -20~60°C	
Self-Discharge 3% of capacity declined per month at 20°C(average)		
Max. discharge current77°F(25°C): 1000A(5S)		
Charge (Constant Voltage)	Float: 13.5~13.8 V/77° F/(25°C)	
	Cycle:14.4~15.0 V/77°F/(25°C) Max. Current: 60A	

Discharge Constant Current (Amperes at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1. 60V		425	344	210	128	53.6	36.3	19.7	10.3
1. 65V		401	325	202	126	52.8	35.7	19.5	10.3
1. 70V		379	306	195	124	52.0	35.0	19.3	10.2
1. 75V		355	286	188	122	51.0	34.4	19.0	10.1
1. 80V		327	267	181	120	50.0	33.8	18.5	10.0

Discharge Constant Power (watts at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1. 60V		730	591	389	280	236	137	101	71.8
1. 65V		696	572	375	274	231	134	99.7	71.2
1. 70V		661	555	362	269	226	131	98.4	70.6
1. 75V		624	537	347	264	221	128	97.0	70.1
1. 80V		594	507	334	259	216	124	96.0	69.6

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.

