

GM 12-55 12V55Ah/10Hr

Valve Regulated Lead Acid battery



▲ Technology:

- ✓ AGM VRLA - Sealed Maintenance-free battery.
- ✓ Others available: PE Vented/Flooded/Wet, AGM GEL, PE/PVC GEL, Tubular GEL
- ✓ Complied with IEC60896-21/22

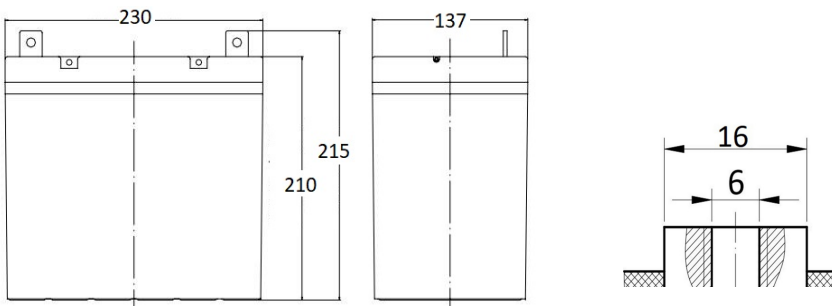
▲ Main Features:

- Innovated technology for battery plate formulation designed for Deep Discharge.
- Outstanding re-charge acceptability after deep discharge.
- Extreme low self-discharge, low internal resistance and low internal pressure.
- Long Life - Assembly using thicker plate with special chemical formation.

▲ Main Application:

- Solar PV & Wind power
- Off-grid power system / Power plant
- Medical power assurance
- Telecom & Towers power assurance
- Sizable UPS system
- High performance UPS system
- Deep cycle discharge
- Industrial battery & power reserve
- All general purpose

GEM | GM Series batteries are designed at a larger size and higher capacity than GS Series and carrying more energy power to support more-power-requiring applications. GM Series indicates the VRLA batteries ① with capacity more than 30Ah @10Hr/C10 rating ② including 6V and 12V ③ adopted with AGM technology ④ for higher-energy reserve and supply applications. AGM GEL battery is available from GDC Series, PVC GEL battery is available from GPG Series.



Model	GM 12-55		IR	Dimensions (mm ±2)				Weight	Terminal	
Voltage (V)	Nominal Capacity (25°C)		mΩ (25°C)	Length	Width	Height	Total Height	Kgs ±5%	L4	T4
12	55Ah	10Hr (10.8V)	7	230	137	210	215	17.5		M6*16

Capacity	20Hr (10.8V)	5Hr (10.5V)	3Hr (9.60V)	1Hr (9.60V)	Designed Life	Separator	Electrolyte	Case	Sealing
Range (25°C)	57.75Ah	47.58Ah	42.35Ah	33.55Ah	8~10 Years	AGM	Sulfuric Acid	ABS plastic	Epoxy Glue

Max. Current (A)		Charge Voltage @25°C		Self-discharge	Capacity Effected by Temp. @20Hr			
Charge	Discharge	Float use	13.5-13.8V (-18mV/°C)	per month @25°C	40°C	25°C	0°C	-15°C
13.75A	550A (5s)	Cycle use	14.4-14.7V (-30mV/°C)	3%	102%	100%	85%	65%

• Constant-Current (A) Discharge / CCD @25°C

End V./Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	5Hr	10Hr	20Hr
9.60 V	188.3	128.16	87.75	53.36	32.70	20.41	15.86	10.58	5.83	3.05
9.90 V	180.3	122.7	84.01	51.09	31.30	19.54	15.19	10.13	5.75	3.01
10.2 V	176	119.77	82.01	49.87	30.56	19.07	14.83	9.88	5.67	2.97
10.5 V	171.7	116.85	80.01	48.66	29.81	18.61	14.46	9.64	5.58	2.92
10.8 V	170.3	115.87	79.34	48.25	29.56	18.45	14.34	9.56	5.50	2.88

• Constant-Power (Watt) Discharge / CPD @25°C

End V./Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	5Hr	10Hr	20Hr
9.60 V	367.4	249.9	171.11	104.06	63.76	39.79	30.94	20.62	11.37	5.95
9.90 V	351.7	239.3	163.82	99.62	61.04	38.09	29.62	19.74	11.21	5.87
10.2 V	343.3	233.6	159.92	97.25	59.59	37.19	28.91	19.27	11.05	5.78
10.5 V	334.9	227.9	156.02	94.88	58.13	36.28	28.21	18.80	10.89	5.70
10.8 V	332.1	225.9	154.71	94.08	57.65	35.98	27.97	18.65	10.73	5.62

- Subject to revisions, the above showing data might be changed without prior notice, GEM BATTERY reserves the right to explain and update the latest related information.
- To follow the latest information, please contact our sales representative.

- The trade mark GEM BATTERY is registering in China, if any trade mark infringement, please contact us.
- Flame Retardant UL94 V-0 optional available for battery case on request.

FUJIAN JIAGE POWER TECH CO LTD

ISO9001 | ISO14001 | ISO45001 | UL | CE | RoHS



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