

GS 12-8

12V8AH/20HR

GEM Battery

Powered and Powerful



► Technology:

- ✓ Valve Regulated Lead Acid Battery / VRLA
- ✓ Sealed Maintenance Free / SMF
- ✓ AGM technology
- ✓ Complied with IEC60896-21/22 or IEC61056-1/2

► Main Features:

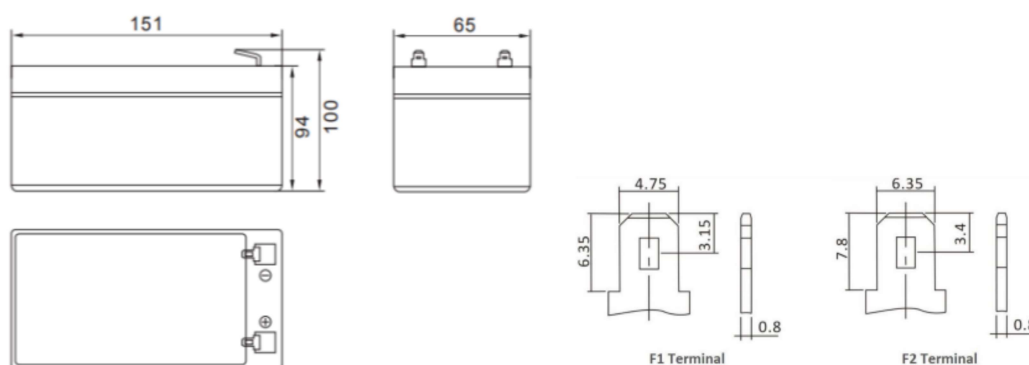
- ◆ Innovated technology of battery plate formula designed for Deep Discharge.
- ◆ Outstanding re-charge acceptability after deep discharged.
- ◆ Extreme low self-discharge, low internal resistance and low internal pressure.
- ◆ Long Life - Assembly using thicker plate with special chemical formation.

► Main Application:

- Commercial UPS and critical power backup
- Telecom & Towers power assurance
- Medical power assurance
- Fire & Emergency & Lighting system
- Security & Alarm system
- Solar power products
- Deep cycle discharge
- Industrial battery & power reserve
- All general purpose

GEM Battery | GS Series batteries have been developed and upgraded over decades manufacturing to meet various general purpose for commercial applications.

① Adopted with latest and most advanced AGM technology for assembly. ② Compact size and sealed maintenance-free design, support to flexible installation and portable handling. ③ Available for many civil applications, lamp and lantern, electric toys, power tools, civil or commercial UPS systems, emergency lights, security facilities, etc. ④ High capacity ideally support to commercial UPS systems and critical power system.



Model	GS 12-8		IR (Max.)	Dimensions (mm ±2)				Weight	Terminal	
Voltage (V)	Nominal Capacity (25°C)		mΩ (25°C)	Length	Width	Height	Total Height	Kgs ±5%	F1	F2
12	8Ah	20Hr (10.8V)	21	151	65	94	98	2.38	Faston 187	Faston 254

Capacity Range (25°C)	10Hr (10.5V)	5Hr (10.5V)	3Hr (9.60V)	1Hr (9.60V)	Designed Life (25°C)	Separator	Electrolyte	Case	Sealing
	7.44Ah	6.84Ah	6.08Ah	5.08Ah	5 Years (Float charging)	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	
2.4A	96A (5s)	Cycle use	14.4-14.7V (-30mV/°C)	3%	102%	100%	85%	65%	

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

End V./VPC	5min	10min	15min	30min	60min/1h	2h	3h	5h	10h	20h
9.60 / 1.60	28.89	19.94	15.33	9.00	4.82	2.81	2.14	1.41	0.79	0.42
9.90 / 1.65	28.1	19.39	14.57	8.63	4.76	2.78	2.12	1.40	0.78	0.41
10.2 / 1.70	27.3	18.84	13.43	8.17	4.71	2.75	2.10	1.38	0.77	0.41
10.5 / 1.75	26.51	18.3	12.67	7.86	4.63	2.71	2.06	1.36	0.76	0.40
10.8 / 1.80	26.02	17.96	12.44	7.71	4.55	2.66	2.02	1.34	0.74	0.39

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

End V./VPC	5min	10min	15min	30min	60min/1h	2h	3h	5h	10h	20h
9.60 / 1.60	56.34	38.89	29.89	17.55	9.39	5.49	4.18	2.76	1.54	0.81
9.90 / 1.65	54.79	37.82	28.41	16.83	9.29	5.43	4.13	2.73	1.52	0.80
10.2 / 1.70	53.24	36.75	26.19	15.94	9.19	5.37	4.09	2.70	1.50	0.79
10.5 / 1.75	51.69	35.68	24.71	15.32	9.03	5.28	4.02	2.65	1.48	0.78
10.8 / 1.80	50.74	35.02	24.25	15.04	8.87	5.18	3.94	2.60	1.45	0.77



GRAND ENERGY MANUFACTURING CO LIMITED

ISO9001 / ISO14001 / ISO45001 / UL / CE / RoHS

www.gembattery.com

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- To follow the latest information, please contact our sales representative.