

# GS 12-7.2

12V7.2AH/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:

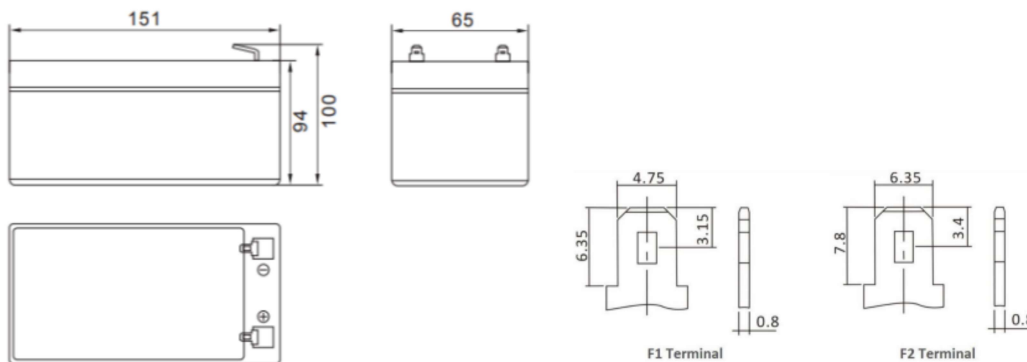
- ◆ Innovated technology of battery plate formula designed for Deep Discharge.
- ◆ Outstanding re-charge acceptability after deep discharged.
- ◆ Extreme low self-discharge, low internal resistance and low internal pressure.
- ◆ Long Life - Assembly using thicker plate with special chemical formation.

### ► 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 12-7.2		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	7.2Ah	20Hr (10.8V)	28	151	65	94	98	2.08	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
	6.7Ah	6.16Ah	5.47Ah	4.57Ah	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	
2.16A	86.4A (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	27.4	17.3	13.70	7.63	4.68	2.56	1.84	1.25	0.68	0.37
9.90 / 1.65	26.5	16.8	13.40	7.48	4.61	2.54	1.83	1.24	0.68	0.36
10.2 / 1.70	25.4	16.1	12.90	7.25	4.49	2.52	1.81	1.23	0.67	0.36
10.5 / 1.75	24.4	15.4	12.40	7.07	4.40	2.48	1.80	1.22	0.67	0.36
10.8 / 1.80	23	14.5	11.80	6.82	4.27	2.42	1.75	1.19	0.66	0.35

#### ● 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	305	195	156.00	87.50	54.20	29.90	21.80	14.90	8.16	4.38
9.90 / 1.65	296	189	152.00	85.70	53.40	29.70	21.70	14.80	8.12	4.37
10.2 / 1.70	284	181	147.00	83.10	52.00	29.50	21.50	14.70	8.08	4.35
10.5 / 1.75	272	173	142.00	81.10	51.00	29.00	21.40	14.60	8.04	4.32
10.8 / 1.80	256	164	134.00	78.10	49.40	28.30	20.70	14.20	7.87	4.23



GRAND ENERGY MANUFACTURING CO LIMITED

ISO9001 / ISO14001 / ISO45001 / UL / CE / RoHS

www.gembattery.com

► Subject to revisions, the above data might be changed without prior notice, GEM BATTERY reserves the right to explain and update related information.

► The trade mark GEM BATTERY is registering in China, if any trade mark infringement, please contact us.

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