

# GS 4-4

4V4.0AH/20HR

## Ebe Battery

Powered & Powerful

# Ebe

### ► Technology:

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

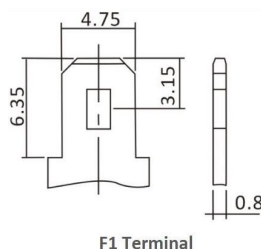
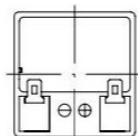
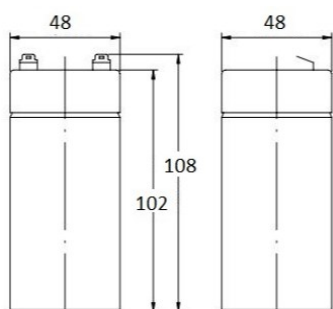
### ► Main Features:

- ◆ 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

**Ebe 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 4-4.0		IR	Dimensions (mm ±2)				Weight	Terminal	
Voltage (V)	Nominal Capacity (25°C)		mΩ (25°C)	Length	Width	Height	Total Height	Kgs ±5%	F1	F2
4	4Ah	20Hr (3.60V)	30	48	48	102	108	0.45	Faston 187	N/A

Capacity Range (25°C)	10Hr (3.50V)	5Hr (3.50V)	3Hr (3.20V)	1Hr (3.20V)	Designed Life (25°C)	Separator	Electrolyte	Case	Sealing
	3.72Ah	3.4Ah	3Ah	2.48Ah	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	4.50-4.60V (-6mV/°C)	per month @25°C	40°C	25°C	0°C	-15°C
1.2A	40A (5s)	Cycle use	4.80-4.90V (-10mV/°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
3.20 / 1.60	17.1	10.8	8.55	4.77	2.93	1.60	1.15	0.78	0.42	0.23
3.30 / 1.65	16.6	10.5	8.34	4.67	2.88	1.59	1.14	0.78	0.42	0.23
3.40 / 1.70	15.9	10	8.04	4.53	2.81	1.58	1.13	0.77	0.42	0.23
3.50 / 1.75	15.2	9.61	7.76	4.42	2.75	1.55	1.13	0.77	0.42	0.23
3.60 / 1.80	14.4	9.07	7.35	4.26	2.67	1.51	1.09	0.74	0.41	0.22

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

End V./VPC	5min	10min	15min	30min	60min/1h	2h	3h	5h	10h	20h
3.20 / 1.60	63.6	40.6	32.50	18.20	11.30	6.23	4.54	3.11	1.70	0.91
3.30 / 1.65	61.7	39.4	31.70	17.90	11.10	6.20	4.52	3.09	1.69	0.91
3.40 / 1.70	59.2	37.8	30.50	17.30	10.80	6.14	4.49	3.07	1.68	0.91
3.50 / 1.75	56.6	36.1	29.50	16.90	10.60	6.05	4.46	3.04	1.67	0.90
3.60 / 1.80	53.4	34.1	27.90	16.30	5.15	5.90	4.32	2.95	1.64	0.88

- Subject to revisions, the above data might be changed without prior notice, GEM BATTERY reserves the right to explain and update related information.
- Flame Retardant UL94 V-0 optional available for battery case on request.

- 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.

GRAND ENERGY MANUFACTURING CO LIMITED

ISO9001 / ISO14001 / ISO45001 / UL / CE / RoHS

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www.gembattery.com