

GS 12-18

12V18AH/20HR

Ebe Battery

Powered and Powerful

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► Technology:

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

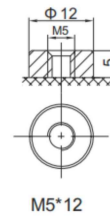
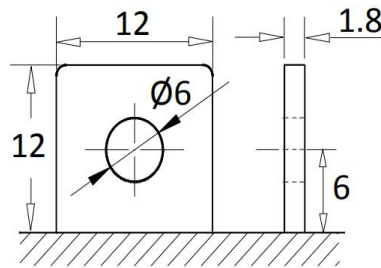
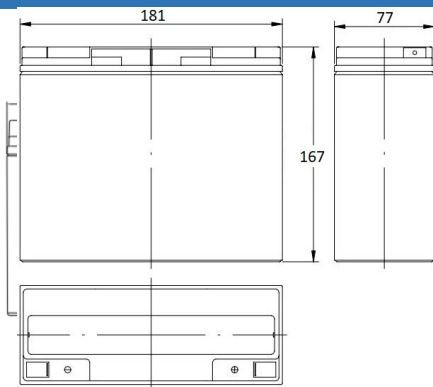
► Main Features:

- ◆ 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 12-18		IR (Max.)	Dimensions (mm ±2)			Weight	Terminal		
Voltage (V)	Nominal Capacity (25°C)		mΩ (25°C)	Length	Width	Height	Total Height	Kgs ±5%	L1	T1
12	18Ah	20Hr (10.8V)	16	181	77	167	167	5.30	-	

Capacity Range (25°C)	10Hr (10.5V)	5Hr (10.5V)	3Hr (9.60V)	1Hr (9.60V)	Designed Life (25°C)	Separator	Electrolyte	Case	Sealing
	16.74Ah	15.39Ah	13.68Ah	11.43Ah	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
5.4A	216A (5s)	Cycle use	14.4-14.7V (-30mV/°C)	3%		102%	100%	85%	65%

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

End V./VPC	10min	15min	30min	60min/1h	2h	3h	5h	8h	10h	20h
9.60 / 1.60	43.20	34.20	19.10	11.70	6.39	4.59	3.12	2.02	1.70	0.91
9.90 / 1.65	41.90	33.40	18.70	11.50	6.36	4.56	3.10	2.01	1.69	0.91
10.2 / 1.70	40.20	32.10	18.10	11.20	6.30	4.53	3.08	1.99	1.68	0.91
10.5 / 1.75	38.40	31.10	17.70	11.00	6.21	4.50	3.06	1.98	1.67	0.90
10.8 / 1.80	36.30	29.40	17.00	10.70	6.05	4.37	2.97	1.92	1.64	0.90

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

End V./VPC	10min	15min	30min	60min/1h	2h	3h	5h	8h	10h	20h
9.60 / 1.60	81.17	58.80	35.60	20.20	12.47	9.08	6.22	4.03	3.40	1.83
9.90 / 1.65	78.83	56.95	34.70	19.65	12.40	9.03	6.17	4.02	3.38	1.82
10.2 / 1.70	75.50	54.26	33.65	19.12	12.28	8.97	6.13	3.98	3.37	1.82
10.5 / 1.75	72.33	51.00	31.90	18.40	12.10	8.92	6.08	3.97	3.35	1.80
10.8 / 1.80	68.17	48.11	31.00	17.80	11.80	8.65	5.90	3.83	3.28	1.77

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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.