Power your world

EXIDE® Batteries

SINCE 1935

VRLA Small Sealed Range

Pro-Series

Scan here

- for fitment guide
- for fitting instructions

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Flexible & Robust

Exide Batteries has a commitment to “Power Your World” through the delivery of Enhanced Performance, Extreme product life and Ultimate Value to its customers.

Due to their construction VRLA batteries do not require ventilation, can be mounted in any position and do not require constant maintenance. The reduced venting is advantageous as it allows use in confined spaces. VRLA batteries are typically Absorbed Glass Mat (AGM) or Gel technology. The Exide Pro-Series range adopts AGM technology which is robust yet cost effective. It is a proven technology used all over the world.

Absorbed Glass Matt (AGM) technology

AGM stands for Absorbed Glass Mat. An AGM battery is a VRLA battery that is different from flooded lead acid as it has its entire amount of electrolyte “absorbed” in the separator material. The separator acts like a sponge and is saturated to approximately 98% (over 100% would mean free acid in the battery). This is why an AGM battery is spill-proof and can be mounted in virtually any position. AGM battery plates can be flat or rolled and as there is no free flooding of acid they can operate in any position and can last substantially longer than conventional cycling batteries.

Features

- Absorbed Glass Matt technology
- Spill and leak proof
- Robust case design
- Low self-discharge
- Freeze tolerant and no gassing
- Excellent cycling ability

Benefits

- Excellent cycling for long operating hours
- For horizontal and vertical operation and hassle free
- Helps to withstand rugged and heavy applications
- Longer between charging if the battery is not in use
- Can be used in extreme temperatures
- Designed purely for deep cycle use with industrial quality design
- Premium product reliability.

This makes the Exide VRLA range perfect for use in applications where constant power is required for extended lengths of time. Similarly in backup Power applications the Exide VRLA range will supply the peace of mind to support the operation of critical systems in the event of mains power failure at which point they will come out of charge mode and engage in power supply.

With that in mind Exide have created an extensive range of VRLA products that can be matched to a wide range of application based on the demand, environment and fitment requirements.

The new Exide VRLA range “Pro-Series” allows the user to install the best technology available for their primary or backup power requirements. Some examples of these applications include;

Primary Power

- *Toys*
- *Power Tools*
- *Marine Equipment*
- *Electronic Test Equipment*
- *Portable Lighting*
- *Camping Equipment*
- *Golf Trollies*
- *Mobility aids*
- *Caravans & RV’s*
- *Medical Equipment*

Backup Power

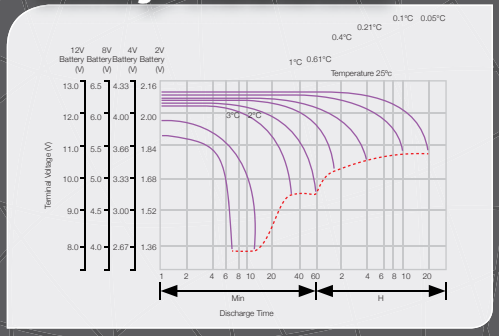
- *UPS Systems*
- *EPS Systems*
- *Communication Systems*
- *Emergency Lighting*
- *Alarm Systems*
- *IT Servers*
- *Vending Machines*
- *Automatic Doors & Gates*
- *Security & Fire Systems*
- *Rail & Aircraft signals*
- *Solar & Wind Systems*

Maintenance

1. New batteries should be fully charged prior to the first use.
2. New deep cycle batteries may need to be cycled before reaching full capacity (20-100 cycles, depending on type and use).
3. Battery cables should be intact and kept tight at all times. Recommended torque for top tapered terminal posts is 7.9 Newton Meters. After reattaching the cables to the battery terminals (ground cable last), coat the terminals with high temperature grease or petroleum jelly.
4. Follow the charger manufacturer’s procedures for connecting and disconnecting cables and operation. Turn the charger OFF before connecting or disconnecting cables to the battery.
5. Batteries should be kept clean and free of debris at all times, especially the terminal area.
6. Battery age effects maintenance. Longer charging times and/ or higher finishing current may be required. In addition, older batteries may require more frequent watering.
7. Avoid charging when the battery or ambient temperatures are above 48°C.

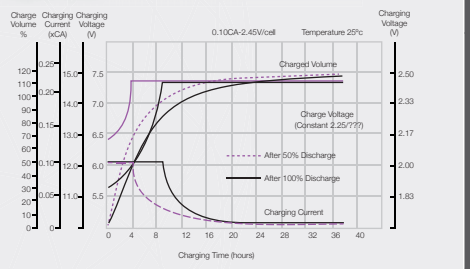
Technical Chart

Discharge Characteristics

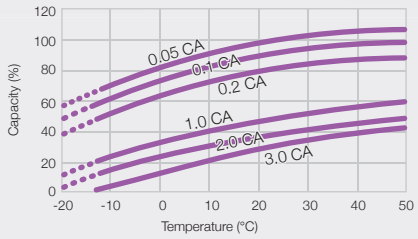


Charging Characteristics

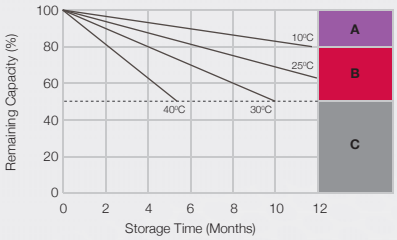
(Cycle use)



Temperature effects in relation to battery capacity



Self discharge characteristics

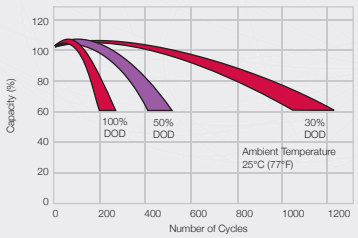


A No supplementary charge required.
(Carry out supplementary charge before use if 100% capacity is required).

B Supplementary charge required before use. Optional charging way as below:
1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
3. Charged for 8-10 hours at limited cureent 0.05CA.

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Cycle service in relation to the depth of discharge



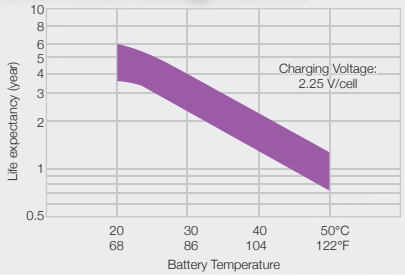
Testing condition

Discharging current:
0.17C (FV 1.7V/cell)

Charging current:
0.25C max, voltage 2.45V/cell

Charging volume:
125% of discharged capacity

Effect of temperature on long term float designed life



PRODUCT CODE	VOLTS	TECHNOLOGY	LENGTH	WIDTH	HEIGHT	CCA	RC	AH	VENT	LEDGE	POST	ASSEMBLY	(KG)
HGL0.5-6	6	VRLA AGM	57	14	52			0.5	VRLA	NL	Hardwired	A	0.1
HGL1.2-6	6	VRLA AGM	97	24	57.5			1.2	VRLA	NL	T1	B	0.3
HGL2.8-6	6	VRLA AGM	66	33	103			2.8	VRLA	NL	T1	A	0.6
HGL3.2-6	6	VRLA AGM	134	34	66			3.2	VRLA	NL	T1	B	0.7
HGL4.5-6	6	VRLA AGM	70	47	106			4.5	VRLA	NL	T1	A	0.8
HGL5.4-6	6	VRLA AGM	70	47	106			5.4	VRLA	NL	T1	A	0.8
HGL7.2-6	6	VRLA AGM	151	51	100			7.2	VRLA	NL	T1	B	1.2
HGL10-6	6	VRLA AGM	152	51	100			10	VRLA	NL	T1	D	1.6
HGL13-6	6	VRLA AGM	151	51	100			13	VRLA	NL	T1	D	1.8
HGL14-6	6	VRLA AGM	151	51	100			14	VRLA	NL	T1	D	2.1
HGL20-6	6	VRLA AGM	157	83	125			20	VRLA	NL	T3	D	3.2
HGL0.8-12	12	VRLA AGM	96	25	62			0.8	VRLA	NL	Hardwired	A	0.4
HGL1.2-12	12	VRLA AGM	97	43	58			1.2	VRLA	NL	T1	F	0.6
HGL2.3-12	12	VRLA AGM	178	35	66			2.3	VRLA	NL	T1	B	1.0
HGL3.2-12	12	VRLA AGM	134	67	66.5			3.2	VRLA	NL	T1	F	1.4
HGL4-12	12	VRLA AGM	90	70	107			4	VRLA	NL	T1	D	1.4
HGL5-12	12	VRLA AGM	151	53	99			5	VRLA	NL	T1	C	1.8
HGL7.5-12	12	VRLA AGM	151	65	99			7.5	VRLA	NL	T1	E	2.3
HGL8-12	12	VRLA AGM	151	65	99			8	VRLA	NL	T1	E	2.5
HGL10-12	12	VRLA AGM	151	65	117			10	VRLA	NL	T2	E	3.2
HGL13-12	12	VRLA AGM	151	900	100			13	VRLA	NL	T1	E	3.6
HGL18-12	12	VRLA AGM	181.5	77	167.5			18	VRLA	NL	T3	C	5.3
HGL20-12	12	VRLA AGM	181	76.5	170.5			20	VRLA	NL	T3	C	5.8
HGL24-12	12	VRLA AGM	166.5	175	125			24	VRLA	NL	T3	F	7.2
HGL26-12	12	VRLA AGM	166	175	125			26	VRLA	NL	T3	F	8.0
HGL33-12	12	VRLA AGM	195	130	182			33	VRLA	NL	T5	D	10.5
HGL40-12	12	VRLA AGM	197	165	170			38	VRLA	NL	T7	C	12.5
HGL45-12	12	VRLA AGM	197	165	170			45	VRLA	NL	T6	C	14.2
HGL55-12	12	VRLA AGM	228	137	230			55	VRLA	NL	T6	D	16.5
HGL65-12	12	VRLA AGM	348	167	178			65	VRLA	NL	T6	D	19.2
HGL75-12	12	VRLA AGM	259	168	214			75	VRLA	NL	T6	D	22.3
HGL90-12	12	VRLA AGM	330	173	220			90	VRLA	NL	T6	D	24.0
HGL100-12	12	VRLA AGM	330	173	220			100	VRLA	NL	T11	D	28.0
HGL115-12	12	VRLA AGM	305	168	229			115	VRLA	NL	T6	D	30.4
HGL120-12	12	VRLA AGM	410	177	225			120	VRLA	NL	T11	D	35.0
HGL135-12	12	VRLA AGM	345	172	280			135	VRLA	NL	T11	D	41.2
HGL150-12	12	VRLA AGM	485	170	240			150	VRLA	NL	T11	D	43.5
HGL200-12	12	VRLA AGM	522	240	224			200	VRLA	NL	T11	F	61.0
ED10S	12	VRLA AGM	202	132	182	315	54	35	VRLA	NL	Stud Thread	D	10.5

AUSTRALIA & NEW ZEALAND

Exide Batteries is a power brand of
MP Australia & New Zealand

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