AGM-Power always energy to spare

Marine • Mobile • Land based • Solar • General use

Datasheet

12 V

55 Ah • 80 Ah • 100 Ah • 145 Ah • 200 Ah • 260 Ah

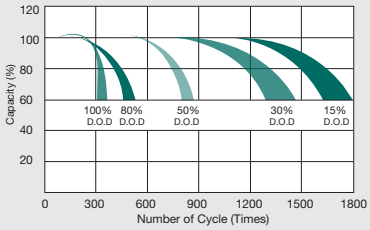
- Multi purpose battery
- For start and service use
- Maintenance free, recombination (VRLA) type
- Robust and shock resistant
- Limited ventilation needed
- Transportation by air approved
- Superb all-round behaviour

smart energy solutions

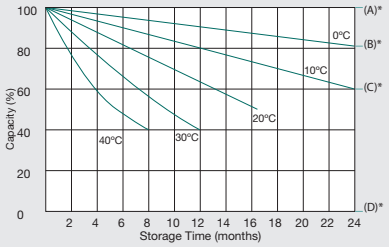
smart energy solutions

AGM Power Part #	40290060	40290061	40290031	40290062	40290063	40290064
Specifications						
Nominal capacity (C10)	55 Ah	80 Ah	100 Ah	145 Ah	200 Ah	260 Ah
Nominal voltage	12.0 V-DC	12.0 V-DC	12.0 V-DC	12.0 V-DC	12.0 V-DC	12.0 V-DC
Type	Deep cycle Absorbed Glass Mat battery with 10 years floating design life, specially designed for frequent cyclic discharge usage. By using strong grid and specific paste plate, gives the battery 30% more cyclic life. Applicable for marine, mobile and PV energy systems and as an engine starter battery.					
Weight +/- 10%	18.0 Kg	24.0 Kg	30.0 Kg	44.0 Kg	60.0 Kg	74.0 Kg
Dimensions l*w*h [mm] (excl. terminals)	229*138*210	350*167*180	328*172*222	340*173*280	522*240*219	520*268*220
Terminal type	M8 stainless steel					
Number of cells	6	6	6	6	6	6
Charge/discharge parameter						
Constant voltage Charging (IU, float) Cyclic Charging (IUU, absorption)	13.60 to 13.80 V-DC @ 25C 14.25 to 14.60 V-DC @ 25 C					
Recommended charging current limit (higher possible)	16.5 A	24.0 A	30.0 A	44.0 A	60.0 A	78.0 A
Temperature ratio	4mv/cell/°C					
Discharge cut off voltage 100% depth of discharge d.o.d.	1.75 V @ (A) <= 0.2 C 1.70 V @ 0.2 C (A) <= 1.0 C 1.65 V @ (A) >= 1.0 C					
Rated Capacity @ 25°C	rate to 1.75 V per cell	rate to 1.75 V per cell	rate to 1.75 V per cell	rate to 1.80 V per cell	rate to 1.80 V per cell	rate to 1.80 V per cell
20 hrs discharge	58.6 Ah	85.3 Ah	104.0 Ah	167.0 Ah	226.0 Ah	278.0 Ah
10 hrs discharge	55.0 Ah	80.0 Ah	100.0 Ah	145.0 Ah	200.0 Ah	260.0 Ah
5 hrs discharge	44.5 Ah	65.0 Ah	89.0 Ah	131.0 Ah	180.0 Ah	220.0 Ah
Peukert Coefficient	1.21<P<1.24	1.21<P<1.24	1.21<P<1.24	1.21<P<1.24	1.21<P<1.24	1.21<P<1.24
Time reserve minutes 25 amps discharge	92 minutes	146 minutes	190 minutes	305 minutes	455 minutes	630 minutes
Self discharge	less than 3% per month @ 25°C					
Storage time	AGM-power batteries can be stored for maximum 6 months at 25°C, Charging recommended before using.					
Battery parameters						
Cranking amps @ 25°C (5 sec)	550 A	800 A	1000 A	1450 A	2000 A	2600 A
Cycle life at 80% of D.O.D	400	400	400	400	400	400
Internal resistance Approx.	6.0 MΩ	5.5 MΩ	5.0 MΩ	4.5 MΩ	4.0 MΩ	3.5 MΩ

Life characteristics of cyclic use

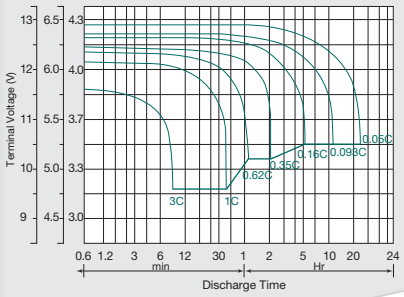


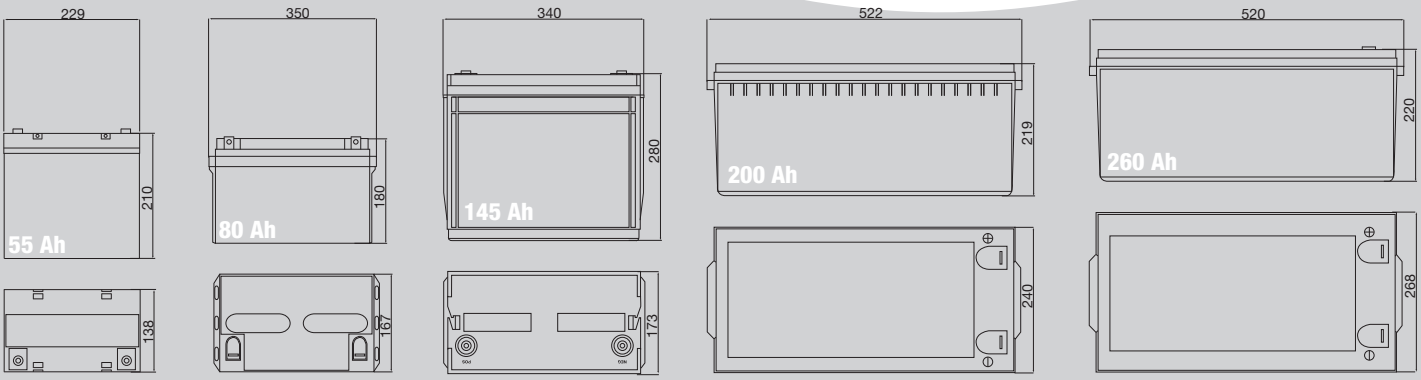
Storage characteristics



*(A) Supplementary charge required (Carry out supplementary charge before use if 100% capacity is requires)
*(B) Supplementary charge required before use. This supplementary charge will help to recover the capacity and should be made as early as possible
*(C) Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this state is reached
*(D) Supplementary charge and storage guidelines

Discharge characteristics curve





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20110607datasheetAGM