

Durable AGM batteries

These are the most economical, maintenance-free batteries designed for long life. WhisperPower AGM batteries are based on VRLA technology (Valve Regulated Lead Acid), meaning they require little ventilation, do not have to be positioned upright and do not require any maintenance.



Applications

- Starting main and auxiliary engines
- Powering pumps and winches
- Power supply for entire DC installation
- Back-up battery for vital functions such as radios/transmitters
- Suitable for medium sized inverters

Recommended Use

- Charge according to three step process (IUoUo)
- Keep battery connected to the charger even when not in use
- Use the temperature sensor to monitor the temperature of the battery
- Fit with ACR regulator as alternator will charge the battery faster and to 100%



Generating Confidence

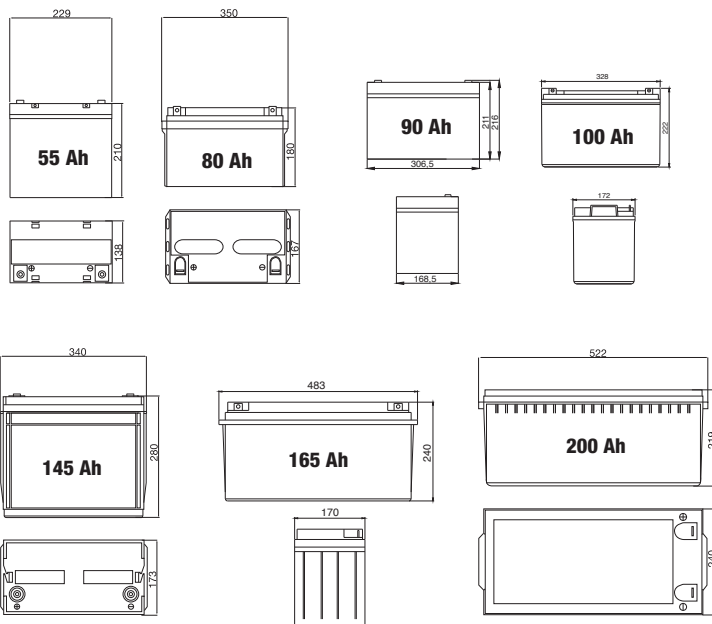
Technical specifications AGM batteries



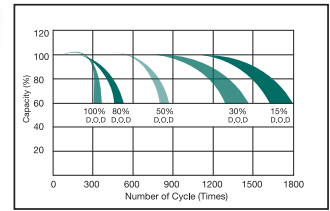
Article nr.	AGM 55 Ah	AGM 80 Ah	AGM 90 Ah	AGM 100 Ah	AGM 145 Ah	AGM 165 Ah	AGM 200 Ah	AGM 260 Ah
TECHNICAL SPECIFICATIONS								
Nominal capacity	55 Ah	80 Ah	90 Ah	100 Ah	145 Ah	165 Ah	200 Ah	260 Ah
C10* or C20	C10	C10	C10	C10	C10	C20	C10	C10
Nominal voltage	12,0 VDC	12,0 VDC	12,0 VDC	12,0 VDC	12,0 VDC	12,0 VDC	12,0 VDC	12,0 VDC
Type	Deep discharge Absorbed Glass Mat battery with potential 10 year life span on float voltage, specifically designed for intensive cyclic use. Cyclic life 30% longer thanks to strong grid and a specific paste composition. Suitable for marine, mobile and solar energy system and as a starter battery							
Weight ± 10%	18.0kg	24.0kg	28.5kg	30.0kg	44.0kg	47.0kg	60.0kg	74.0kg
Dimensions lwxh (mm) (excl. poles)	229x138x210	350x167x180	307x169x235	328x172x222	340x173x280	483x170x240	522x240x219	520x268x220
Terminal type	M6 rvs			M8 rvs				
Number of cells	6	6	6	6	6	6	6	6
CHARGE / DISCHARGE PARAMETERS								
Constant charge voltage (IU, float)	13.60 .. 13.80 VDC at 25°C							
Cyclic charge voltage (IU, absorption)	14.25 .. 14.60 VDC at 25°C							
Maximum recommended charge current (higher possible)	40 to 50% of nominal capacity							
Temperature ratio	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C	-4mv/cel/°C
Discharge voltage	1.75 VDC @ (A) ≤ 0.2°C • 1.70 VDC @ 0.2 °C (A) ≤ 1.0°C							
Full discharge (100% DOD)	1.65 VDC @ (A) ≥ 1,0°C							
NOMINAL CAPACITY AT 25°C	UP TO 1.75 VDC/CEL	UP TO 1.75 VDC/CEL	UP TO 1.75 VDC/CEL	UP TO 1.75 VDC/CEL	UP TO 1.80 VDC/CEL	UP TO 1.80 VDC/CEL	UP TO 1.80 VDC/CEL	UP TO 1.80 VDC/CEL
20 hours discharge	58.6Ah	85.3 Ah	96.0 Ah	104.0 Ah	167.0 Ah	165.0 Ah	226.0 Ah	278.0 Ah
10 hours discharge	55.0 Ah	80.0 Ah	90.0 Ah	100.0 Ah	145.0 Ah	157.0 Ah	200.0 Ah	260.0 Ah
5 hours discharge	44.5 Ah	65.0 Ah	73.0 Ah	89.0 Ah	131.0 Ah	134.0 Ah	180.0 Ah	220.0 Ah
Peukeurt 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	1.21<P<1.24	1.21<P<1.24
Usage at 25 A discharge	92 min	146 min	164 min	190 min	305 min	320 min	455 min	630 min
Self discharge	Less than 3% per month at 25°C							
Storage time	AGM batteries can be stored for up to 6 months at 25°C, recommended to charge before use							
BATTERY PARAMETERS								
INRUSH CURRENT AT 25°C (5s)	550 A	800 A	900 A	1000 A	1450 A	1650 A	2000 A	2600 A
Cyclic life at 80% discharge	400	400	400	400	400	400	400	400
Internal resistance (approx.)	6,0mΩ	5,5mΩ	5,2mΩ	5,0mΩ	4,5mΩ	3,8mΩ	4,0mΩ	3,5mΩ

* C10= measured capacity at 10% discharge per hour over 10 hours

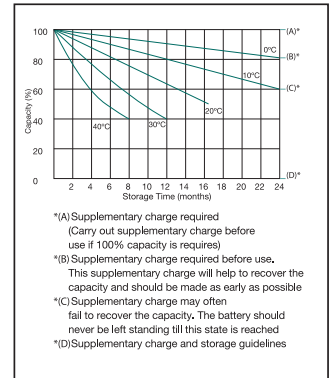
Installation dimensions



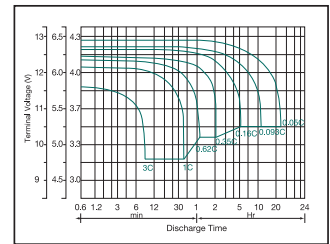
Discharge effect on battery life



Storage Effect



Discharge curves



Battery terminals (optional)

