

AGM G+ 12-200

Offers a special AGM separator adding gel electrolyte. This innovative combination prevents acid stratification, improving the shallow cycle life.

AGM G+

by **SD**DirectPro



HIGH PERFORMANCE

- 2400 cycles at 20% discharge
- 200Ah capacity at 20 hours discharge
- Low internal resistance for high current discharge applications



BACK-UP AND OFF-GRID USES

- Free maintenance thanks to regulation valves



HIGH QUALITY

- 10 year designed life
- Compliant with IEC 60896-21/22

GEL
ELECTROLYTE

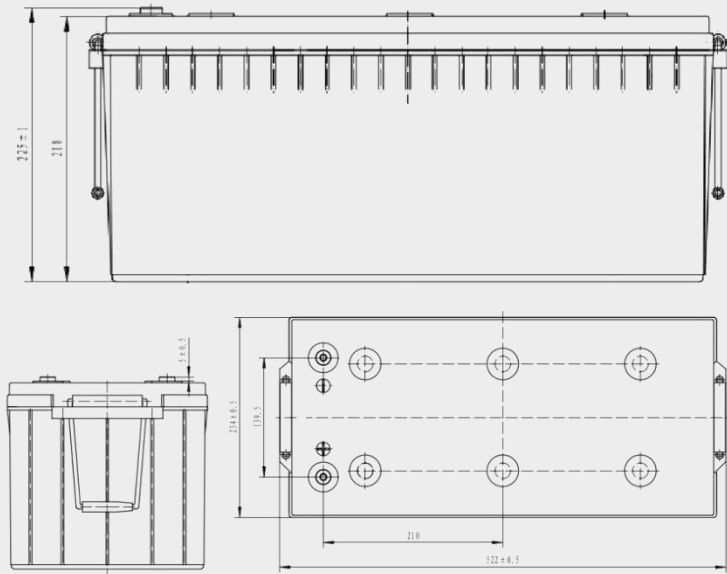


AGM G+

The AGM technology combined with gel electrolyte for a long shallow cycle life



AGM G+ 12-200



Product characteristics at 25°C

Dimensions	522 x 234 x 223 mm
Weight	58 kg
Expected life	10 years*
Internal resistance	3.00 mΩ
Self discharge rate	≤ 1.5% per month
Max charge current	40A
Max discharge current	1400A/5 sec

Rated capacity at 25°C and 1.8V per cell

C20	C10	C5
200 Ah	186 Ah	170 Ah

C20, C10, C5 = capacity at 20, 10, 5h discharge

Charge Voltage at 25°C

Cycle use	14.4 V
*Standby use	13.5 V

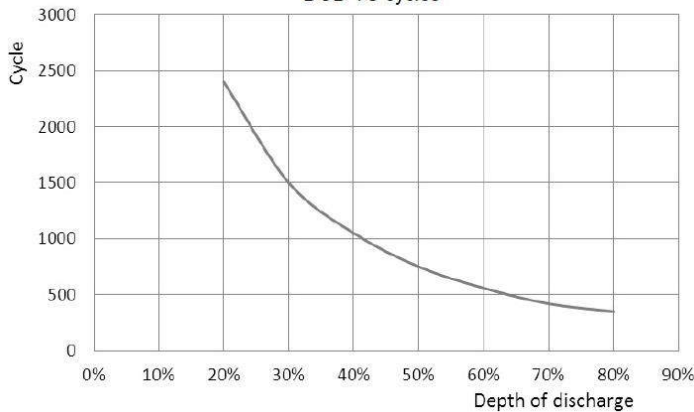
Constant current discharge at 25°C (A)

End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	111.30	51.27	34.86	19.95	10.13	4.52	2.59	2.30	1.18
1.75	110.00	50.79	34.29	18.88	10.06	4.35	2.37	2.09	1.10
1.80	105.00	50.00	34.00	18.60	10.00	4.29	2.30	1.93	1.08
1.85	97.91	47.06	32.21	17.99	9.65	4.20	2.25	1.87	1.06
1.90	94.01	46.65	29.75	17.07	9.34	3.91	2.20	1.84	1.04

Constant power discharge at 25°C (W/cell)

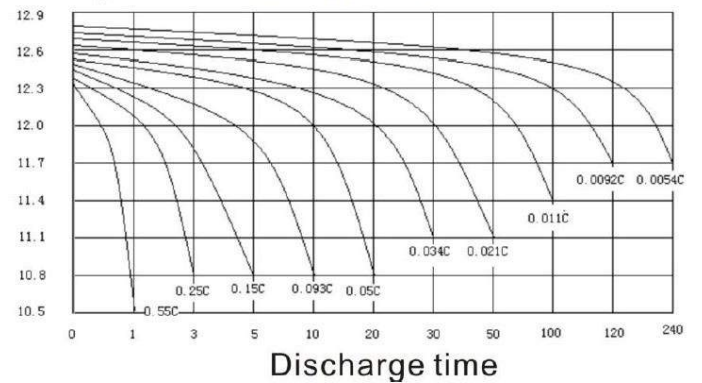
End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	201.0	86.80	60.5	36.0	19.5	9.80	5.02	4.20	2.15
1.75	194.5	83.20	59.0	35.0	19.3	9.75	4.93	4.15	2.10
1.80	189.0	81.60	57.5	34.5	19.0	9.60	4.86	4.10	2.06
1.85	183.0	78.90	56.0	33.5	18.5	9.50	4.81	4.05	2.04
1.90	177.5	76.45	54.5	32.5	18.2	9.30	4.73	4.02	2.02

DOD VS cycles

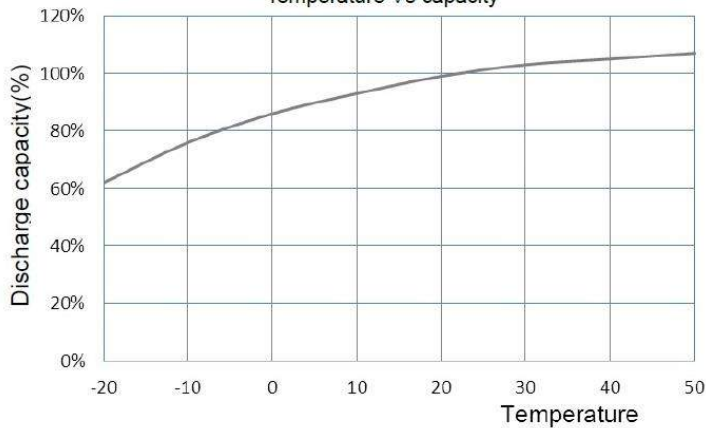


Voltage

Discharge performance



Temperature Vs capacity



Charge performance

