

Benefits

AGM technology recombines up to 99% of the emitted gas;
 No air transport restrictions;
 Calcium-alloyed plates ensure low self-discharge and high grid density; Maintenance-free. No water addition required;
 High energy density;
 The battery case is made of flame-retardant ABS plastic.

Battery construction

Component	Positive plate	Negative plate	Case	Cover	Valve	Terminals	Separator	Electrolyte
Material	Lead dioxide	Lead	ABS		Acid-resistant rubber	Brass	AGM	Sulfuric acid solution

Technical specifications

Nominal voltage.....12 V
 Number of cells.....6
 Service life at 20 ± 5 °C.....10–12 years
 Rated capacity (25 °C)
 10-hour discharge (5.5 A; 10.8 V/battery)...55.0 Ah
 5-hour discharge (9.2 A; 10.5 V/battery)....46.0 Ah
 1-hour discharge (35.1 A; 9.6 V/battery)..35.1 Ah
 Self-discharge.....3% of capacity per month at 25 °C
 Internal resistance
 of fully charged battery (25 °C).....7.0 mΩ

Operating temperature range

Discharge.....-20 to +60 °C
 Charge.....-10 to +50 °C
 Storage.....-20 to +50 °C
 Cyclic mode (14.1–14.4 V/bat)
 Max charge current.....16.5 A
 Temperature compensation.....18 mV/bat
 Float mode (13.6–13.8 V/bat)
 Temperature compensation.....18 mV/bat

Dimensions (±2 mm)

Length, mm.....229
 Width, mm.....138
 Height, mm.....211
 Height with terminals, mm.....216
 Weight (±3%), kg.....17.5
 Terminal Type.....M6 Stud



Constant current discharge, A (at 25°C)

V/bat	5 min	10 min	15 min	30 min	45 min	1 h rate	3 h rate	5 h rate	10 h rate
9,6	180	129	99,0	59,2	42,8	35,1	14,6	9,8	5,70
9,9	170	124	95,4	57,4	41,6	34,2	14,2	9,6	5,65
10,2	156	115	90,6	55,6	40,4	33,3	13,9	9,4	5,60
10,5	144	106	85,8	53,8	39,2	32,5	13,6	9,2	5,55
10,8	134	100	79,5	51,9	38,1	31,7	13,3	9,1	5,50

Constant power discharge, V/cell (at 25°C)

V/cell	5 min	10 min	15 min	30 min	45 min	1 h rate	3 h rate	5 h rate	10 h rate
1,60	327	238	185	111	82,0	68,9	29,1	18,8	10,8
1,65	309	225	177	109	80,4	67,3	28,5	18,6	10,8
1,70	286	213	169	107	78,8	65,8	27,9	18,2	10,8
1,75	263	200	162	105	77,2	64,3	27,3	18,0	10,8
1,80	256	186	154	104	75,8	62,6	26,7	17,9	10,8