

GLP 100-12

Compliance with standards

PN-EN 60896-21:2007
PN-EN 60896-22:2007
PN-EN 61056-1:2008
PN-EN 61056-2:2003(U)
PN-E-83016:1999



The **GLOBAL LEADER POWER** VRLA AGM battery series are designed to work in emergency power supply or other cyclic applications. The preferred uses for these are automation systems, mobile power source, engine power sources etc. For 50% deep cycle, up to 400 charge-discharge cycles can be achieved.

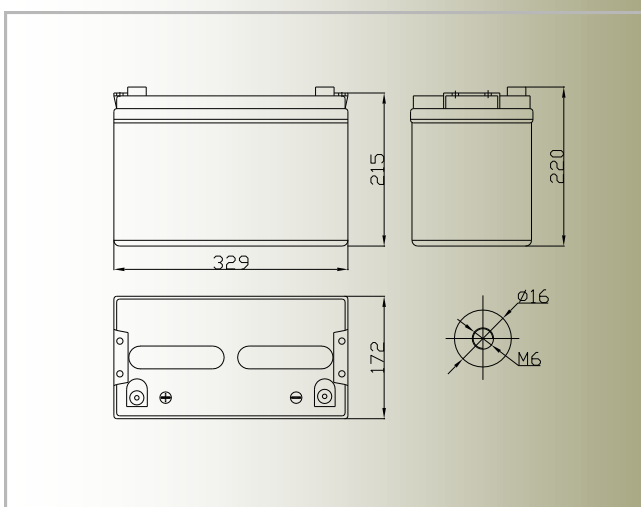
Designed lifetime is 8~10 years in 20-25°C working conditions (according to EUROBAT).



Specification

Nominal voltage		12V
Nominal capacity		100.0 Ah
Dimensions	Length	329 mm
	Width	172 mm
Case material ABS/(UL94-HB) UL94-V0 optional	Height	215 mm
	Total height	220 mm
Weight		28.5 kg

Dimensions

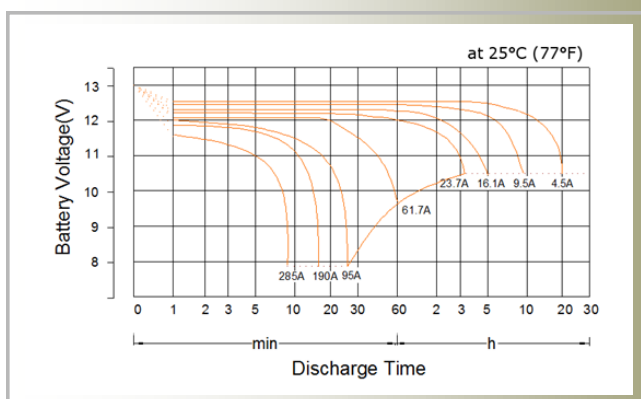


Characteristic

Capacity at 25°C and 10.0V cut off voltage	20h	100.0 Ah
	5h	85.0 Ah
	1h	65.0 Ah
Internal resistance	Fully charged	5.0 mΩ
Capacity	for 20°C	100%
	for 0°C	85%
	for -15°C	65%
Self discharge	3 months	91%
	6 months	82%
	12 months	64%
Terminal	M6	
Charging	Buffer	13.50-13.80V
	Cyclical	14.40-15.00V
Max. charging current	30 A	
Max. discharge current	700 A (5 sec.)	

Working temperature:
Discharging: -20°C ÷ 50°C
Charging: -10°C ÷ 50°C
Storing: -20°C ÷ 50°C

Discharge characteristic at 25 °C



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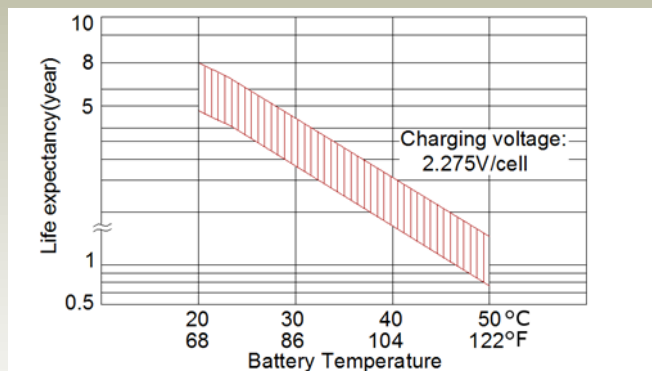
12V 100Ah

Zgodność z normami

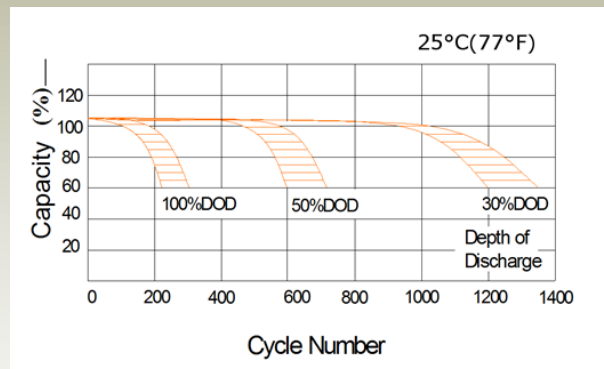
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Battery life for buffer work



Battery life for cyclic work



Constant current discharge characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	333	266	190	110	77.9	61.8	33.3	24.1	16.4	10.8	8.93	4.85
9.90V	323	257	181	108	77.0	61.3	32.9	24.0	16.3	10.8	8.93	4.85
10.20V	304	238	171	105	76.0	60.8	32.8	23.8	16.2	10.7	8.84	4.75
10.50V	266	200	162	98.8	75.1	59.9	32.3	23.4	16.2	10.5	8.84	4.75
10.80V	238	171	152	85.5	74.1	58.9	31.4	22.8	15.9	10.5	8.65	4.66

Constant power discharge characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	3630	2916	2094	1272	888	714	383	278	190	125	104	57.0
9.90V	3486	2796	1980	1230	882	702	380	277	188	124	104	57.0
10.20V	3318	2628	1896	1170	870	702	377	275	187	124	104	56.5
10.50V	2910	2214	1788	1104	858	690	373	272	187	123	103	55.3
10.80V	2598	1998	1686	948	840	678	361	264	185	123	101	54.2