

GLP 150-12

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.

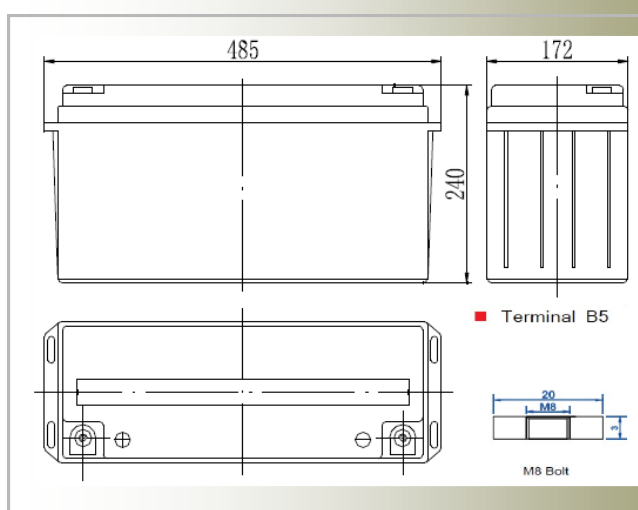
Designed lifetime is 8~10 years in 20-25°C working conditions (according to EUROBAT).



Specification

Nominal voltage	12V
Nominal capacity	150.0 Ah
Dimensions	Length 485 mm
Case material ABS/(UL94-HB) UL94-V0 optional	Width 172 mm
	Height 240 mm
	Total height 240 mm
Weight	40.5 kg

Dimensions

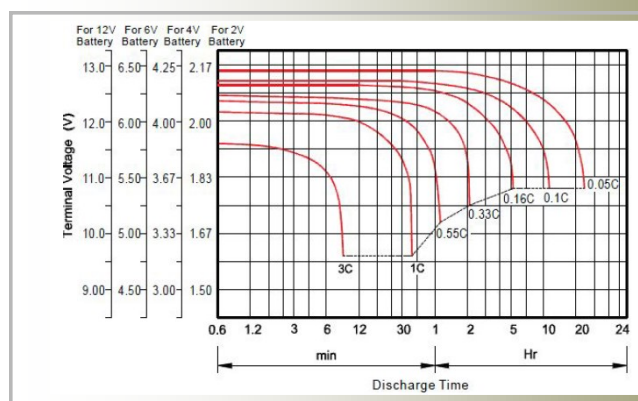


Characteristic

Capacity at 25°C and 10.0V cut off voltage	20h	150.0 Ah
	5h	129.0 Ah
	1h	98.0 Ah
Internal resistance	Fully charged	4.5 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	M8	
Charging	Buffer	13.50-13.80V
	Cyclical	14.40-15.00V
Max. charging current	45 A	
Max. discharge current	1100 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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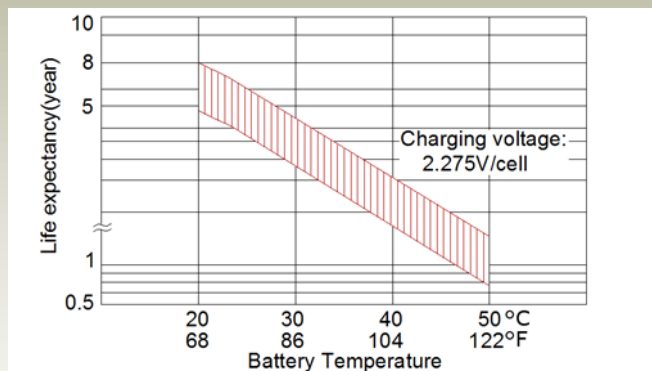
12V 150Ah

Zgodność z normami

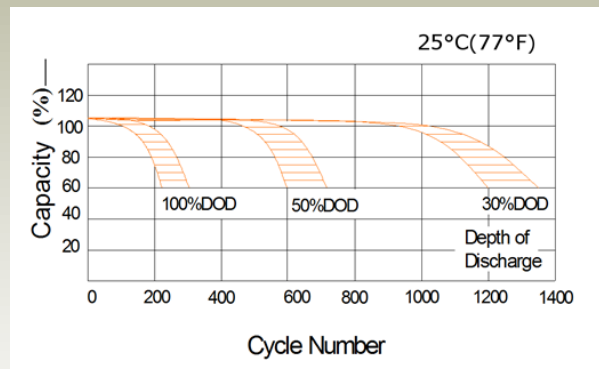
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Battery life for buffer work



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
1.60V	525	420	300	173	123	97.5	52.5	37.9	25.8	16.9	14.1	7.66
1.65V	510	405	285	169	121	96.8	52.1	37.8	25.6	16.9	14.1	7.66
1.70V	480	375	270	165	120	96.0	51.8	37.5	25.5	16.8	13.9	7.50
1.75V	420	315	255	156	119	94.5	51.0	37.1	25.5	16.6	13.9	7.50
1.80V	375	270	240	135	117	93.0	49.5	36.0	25.2	16.6	13.6	7.36

Constant power discharge characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	956	766	553	334	234	188	101	73.2	49.8	32.9	27.4	15.0
1.65V	916	735	522	323	231	184	100	72.8	49.5	32.7	27.3	15.0
1.70V	873	691	497	308	228	184	99.3	72.4	49.2	32.7	27.3	14.9
1.75V	765	584	470	289	225	181	97.9	71.6	49.2	32.3	27.0	14.6
1.80V	683	525	443	251	222	179	94.9	69.4	48.8	32.3	26.6	14.3