

GLP 55-12

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

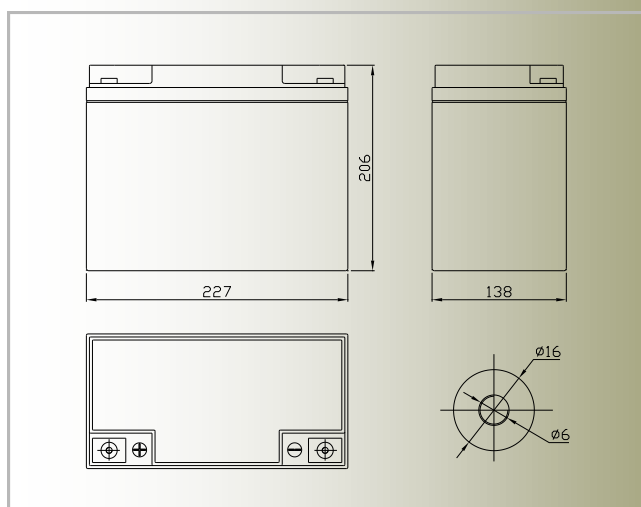
Nominal voltage	12V
Nominal capacity	55.0 Ah
Dimensions	Length 227 mm
Case material ABS/(UL94-HB) UL94-V0 optional	Width 138 mm
	Height 206 mm
	Total height 206 mm
Weight	16.3 kg

Characteristic

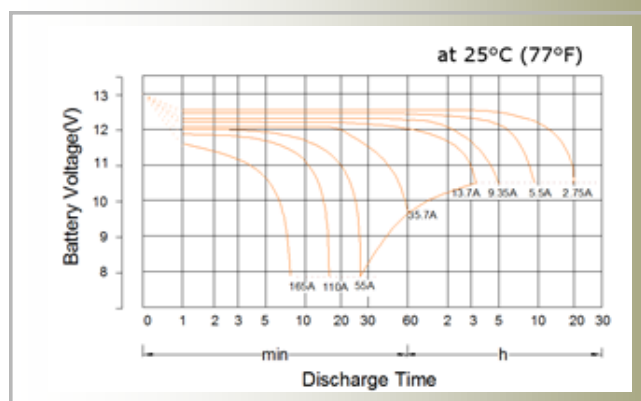
Capacity at 25°C and 10.0V cut off voltage	20h	55.0 Ah
	5h	47.0 Ah
	1h	36.0 Ah
Internal resistance	Fully charged	9.0 mΩ
Capacity	for 20°C	100%
	for 0°C	85%
	for -15°C	65%
Self discharge	3 months	91%
	6 months	82%
	12 months	64%
Terminal	M6	
Charging	Buffer	13.50-13.80V
	Cyclical	14.40-15.00V
Max. charging current	16.5 A	
Max. discharge current	450 A (5 sec.)	

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

Dimensions



Discharge characteristic at 25 °C



GLP 55-12

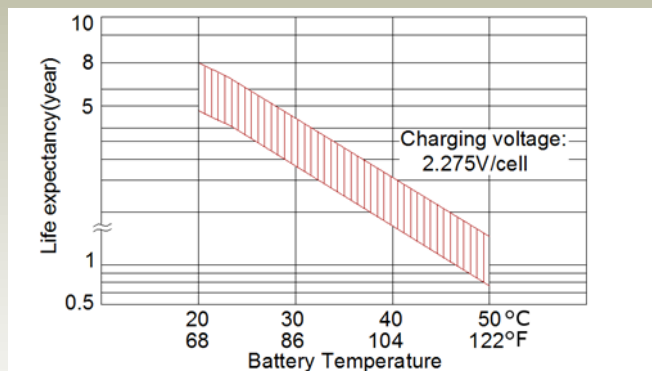
12V 55Ah

Zgodność z normami

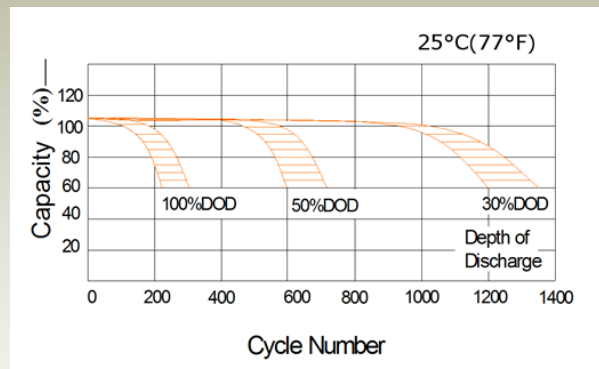
PN-EN 60896-21:2007
 PN-EN 60896-22:2007
 PN-EN 61056-1:2008
 PN-EN 61056-2:2003(U)
 PN-E-83016:1999



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	193	154	110	63.3	45.1	35.8	19.3	14.0	9.46	6.22	5.17	2.81
9.90V	187	149	105	62.2	44.6	35.5	19.1	13.9	9.41	6.22	5.17	2.81
10.20V	176	138	99.0	60.5	44.0	35.2	19.0	13.8	9.35	6.16	5.12	2.75
10.50V	154	116	93.5	57.2	43.5	34.7	18.7	13.6	9.35	6.11	5.12	2.75
10.80V	138	99	88.0	49.5	42.9	34.1	18.2	13.2	9.24	6.11	5.01	2.70

Constant power discharge characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	2106	1692	1212	738	515	413	222	161	110	72.6	60.6	33.0
9.90V	2022	1620	1146	714	508	406	220	160	109	72.0	60.0	33.0
10.20V	1920	1524	1098	678	502	406	218	160	108	72.0	60.0	32.7
10.50V	1686	1290	1038	636	495	400	216	158	108	71.4	59.4	32.0
10.80V	1506	1158	978	551	488	393	209	153	107	71.4	58.4	31.4