

GP 55-12
12V 55Ah

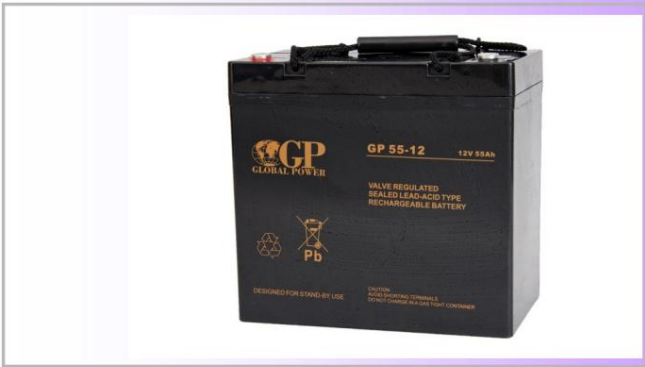
Compliance with standards

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



GLOBAL POWER maintenance-free batteries are made in VRLA (AGM) technology and are intended for use in less demanding emergency power systems as well as other applications in which the battery works cyclically. The preferred applications of this series of batteries are: central heating backup power supply, automation systems and as a source of energy in portable devices, powering engines and other devices in cyclical operation mode. For 50% discharges up to 400 duty cycles.

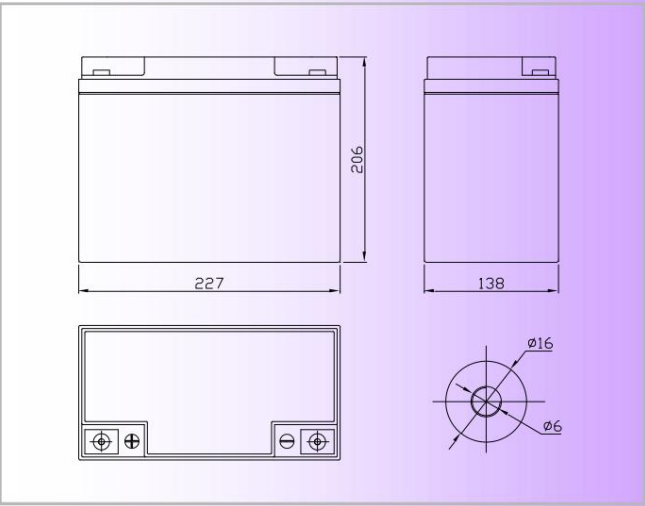
The designed service life is **8-10** years at 20-25 oC



Specification

nominal voltage	12V	
Nominal capacity	55.0 Ah	
Dimensions ABS housing/(UL94-HB) optional UL94-V0	Length	227mm
	Width	138mm
	Height	206mm
	Overall height	206mm
Libra	16.2 kg	

Dimensions

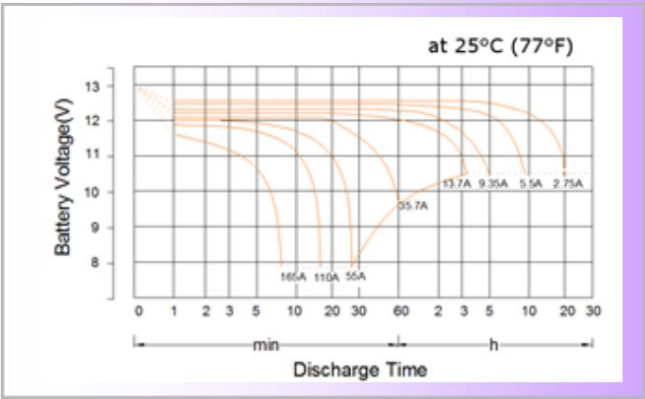


Characteristic

Capacitance at 25oC and cut-off voltage 10.0V	20h	55.0 Ah
	5h	47.0 Ah
	1h	36.0 Ah
internal resistance battery charge.		10.0mȳ
Capacity	for 20oC	100%
	for 0oC	85%
	for -15oC	65%
Self discharge	3 months	91%
	6 months	82%
	12 months	64%
Terminal	M6 screw	
Landing	Buffered	13.50-13.80V
	cyclical	14.40-15.00V
max. charging current	16.5A	
max. discharging current	450A (5sec)	

Operating temperatures:
Discharge: -20°C ÷ 50°C
Charging: -10°C ÷ 50°C
Storage: -20°C ÷ 50°C

Discharge characteristic at 25 oC



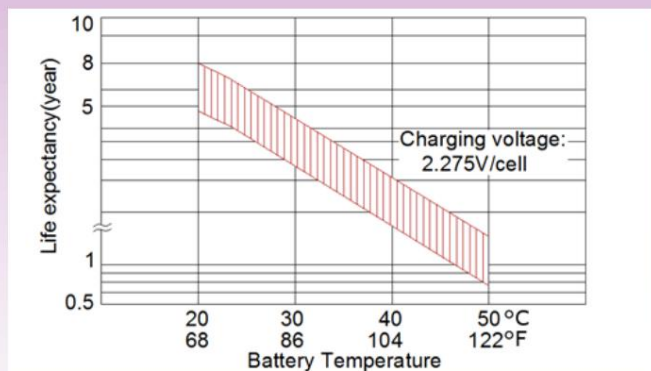
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Zgodność z normami

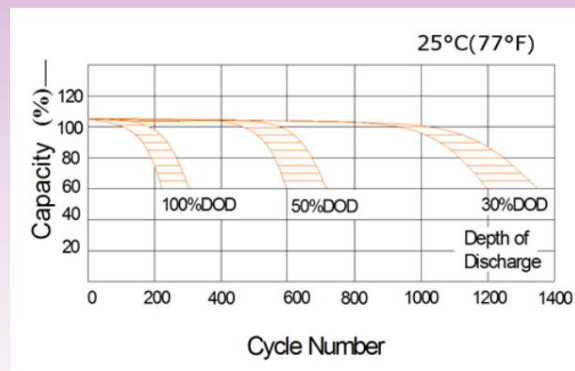
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Battery life for buffer operation



Cyclic battery life



Constant Current Discharge Characteristics (A, 25°C)

FV/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)

FV/Time	5min	10 minutes	15 minutes	30 minutes	45 minutes	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