

MWP 120-12h

Compliance with standards:
 PN-EN 60896-21:2007
 PN-EN 60896-22:2007
 PN-EN 61056-1:2013-05
 PN-EN 61056-2:2013-05
 PN-E-83016:1999

MW Power cells of MWP Series are made in VRLA (AGM) technology and designed for use in emergency power systems and various applications requiring cyclic use. Possible use of these batteries include automation systems, UPS, energy source for mobile devices. For 50%

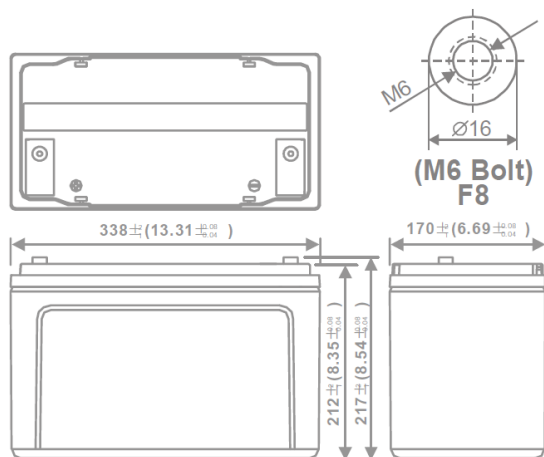
discharges MWP batteries can perform up to 600 charge-discharge cycles.

Designed service life is 12 years at working temperature of 20-25°C

Specification		
Nominal Voltage		12V
Nominal Capacity		120 Ah
Dimensions	Length	338 mm
	Width	170 mm
	Height	212 mm
	Total height	217 mm
Weight		33,5 kg

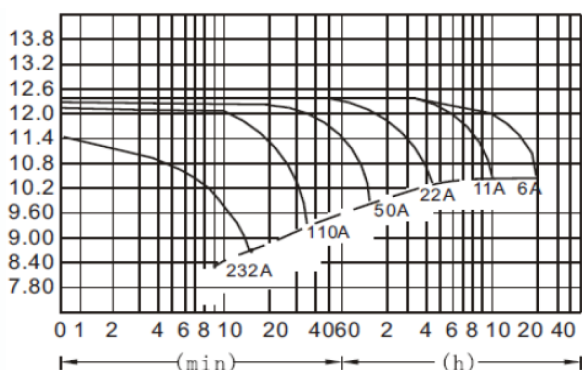


Dimensions mm (inches)



Recommended/max allowable torque value M6: 7Nm/9Nm

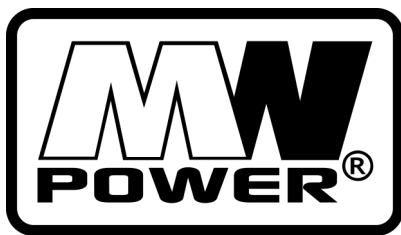
Discharge characteristics



Characteristics		
Capacity for 25°C and cut-off voltage 10,2V	20h	120 Ah
	10h	110 Ah
	5h	94 Ah
Internal resistance	Fully charged battery	5 mΩ
Capacity	20°C	100%
	0°C	85%
	-15°C	65%
Self-discharge	3 months	90%
	6 months	80%
	12 months	65%
Terminal / Case Material	M6 / ABS UL94 HB	
Charging	Standby use:	13,5-13,8 V
	Cycle use:	14,4-15,0 V
Max. charge current	33A	
Max discharge current	1200A / 5s	
Temperature:	Discharging	-20°C—50°C
	Charging	-20°C—50°C
	Storage	-20°C—50°C



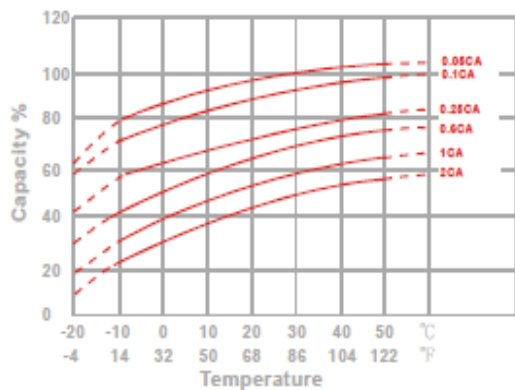
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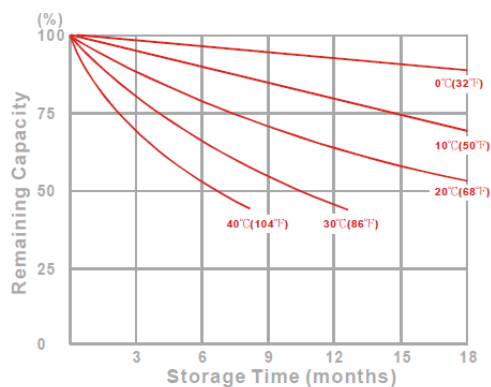
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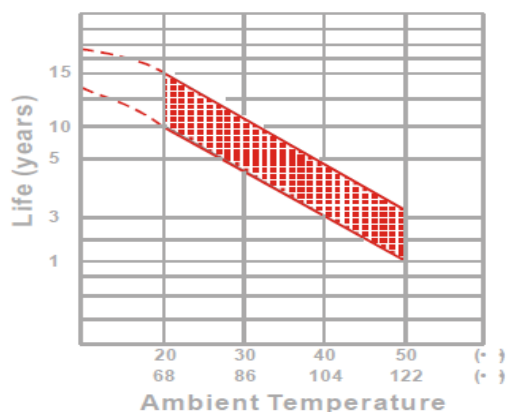
Temperature effect on capacity



Capacity Retention Characteristic



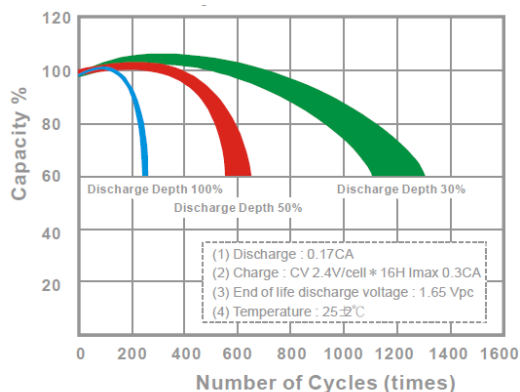
Service Life



Constant power discharge (Watt, 25°C)

Voltage	11,1 V	10,8 V	10,5 V	10,2 V	9,9 V	9,6V
5 min	3202	3423	3634	3731	3833	4025
10 min	2445	2673	2838	2844	2918	2935
15 min	2009	2097	2208	2230	2296	2312
30 min	1254	1305	1356	1373	1402	1413
60 min	766	766	772	783	788	793
120 min	454	470	479	485	493	497
180 min	340	349	354	357	363	367
240 min	250	277	282	287	292	295
300 min	225	235	240	243	245	249
600 min	139	141	144	145	146	148
1200 min	72	74	75	76	76	77

Cycle Service Life



Constant current discharge (A, 25°C)

Voltage	11,1 V	10,8 V	10,5 V	10,2 V	9,9 V	9,6V
5 min	279	317	348	358	370	387
10 min	220	232	245	254	260	270
15 min	168	184	203	209	212	220
30 min	115	120	123	125	127	128
60 min	57	60,2	64	67,3	69,4	70,2
120 min	27,6	32,1	35,6	39,1	39,9	40,9
180 min	23,7	26,3	31	32,8	33,3	34
240 min	20,2	21,5	22,8	23,2	23,5	24
300 min	18	18,9	19,4	19,6	19,8	20,1
600 min	11	11,2	11,4	11,5	11,6	11,8
1200 min	5,6	5,7	5,9	5,9	6	6



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