

MWP 65-12h

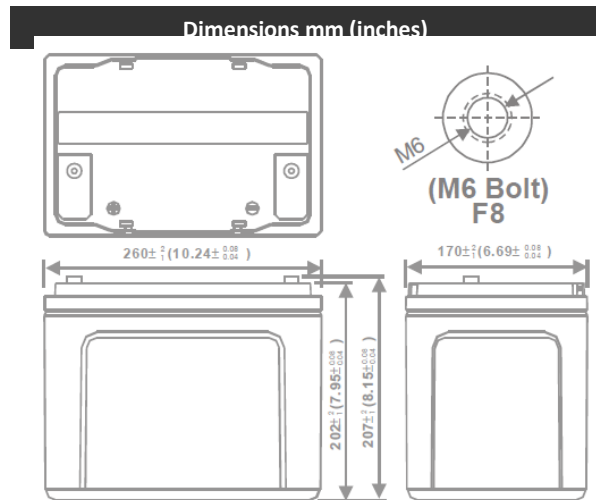
Compliance with standards:
 PN-EN 60896-21:2007
 PN-EN 60896-22:2007
 PN-EN 61056-1:2013-05
 PN-EN 61056-2:2013-05
 PN-E-83016:1999

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.

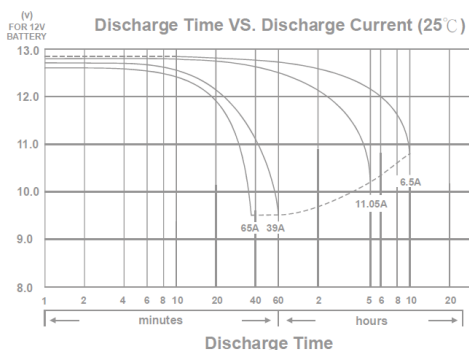
Designed service life is 12 years at working temperature of 20-25°C

Specification		
Nominal Voltage	12V	
Nominal Capacity	65Ah	
Dimensions	Length	260 mm
	Width	170 mm
	Height	202 mm
	Total height	207 mm
Weight	21,5 kg	



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

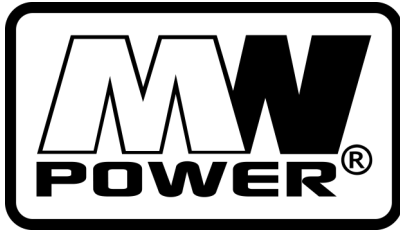
Discharge characteristics



Characteristics		
Capacity for 25°C and cut-off voltage 10,2V	20h	68 Ah
	10h	65 Ah
	5h	57 Ah
Internal resistance	Fully charged battery	7,5 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	20,5A	
Max discharge current	780A / 5s	
Temperature:	Discharging	-20°C—50°C
	Charging	-20°C—50°C
	Storage	-20°C—50°C



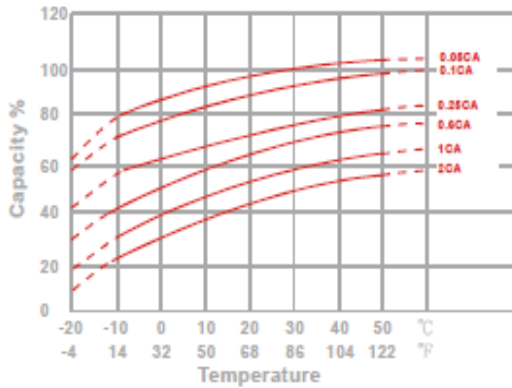
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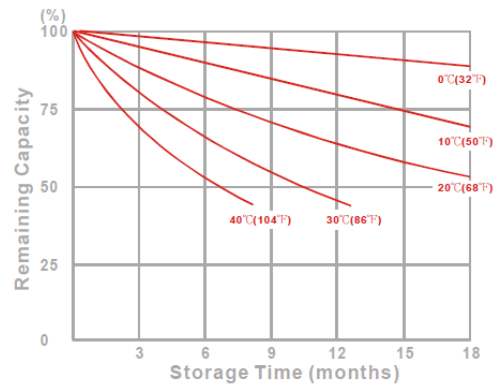
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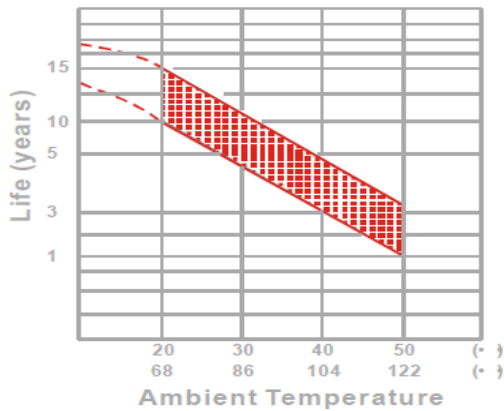
Temperature effect on capacity



Capacity Retention Characteristic



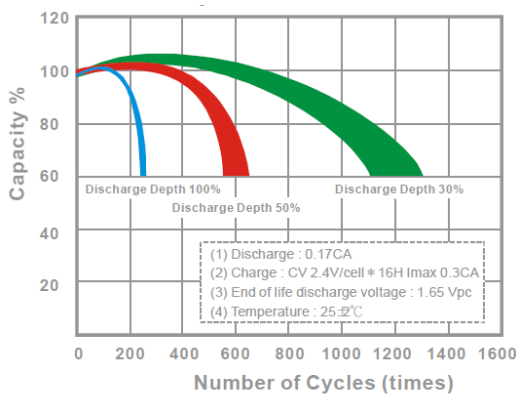
Service Life



Constant power discharge (Watt, 25°C)

Voltage	11,1 V	10,8 V	10,5 V	10,2 V	9,9 V	9,6 V
5 min	1725	1887	2047	2105	2174	2293
10 min	1261	1367	1458	1497	1539	1607
15 min	974	1052	1119	1145	1174	1220
30 min	632	674	710	725	741	760
60 min	484	491	496	499	503	508
120 min	296	303	308	311	314	317
180 min	208	215	219	221	223	226
240 min	167	172	176	177	179	181
300 min	141	143	145	146	147	148
600 min	79,6	80,8	81,7	82	82,3	82,8
1200 min	42,8	43,4	43,9	44,1	44,4	44,7

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	9,6 V
5 min	173	195	221	228	236	248
10 min	108	127	143	148	155	164
15 min	89,6	97,3	105	108	112	117
30 min	52,8	56,8	62,5	63,9	66	68,2
60 min	37,9	40,3	41,7	42,2	42,8	43,5
120 min	22,2	24,1	25,3	25,7	26,2	26,9
180 min	15,8	17	17,9	18,2	18,6	19,1
240 min	13,7	14,1	14,4	14,5	14,7	14,9
300 min	11,5	11,7	11,9	12	12,1	12,2
600 min	6,47	6,59	6,68	6,71	6,75	6,8
1200 min	3,46	3,53	3,58	3,6	3,62	3,65



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