

# MWP 75-12h

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%

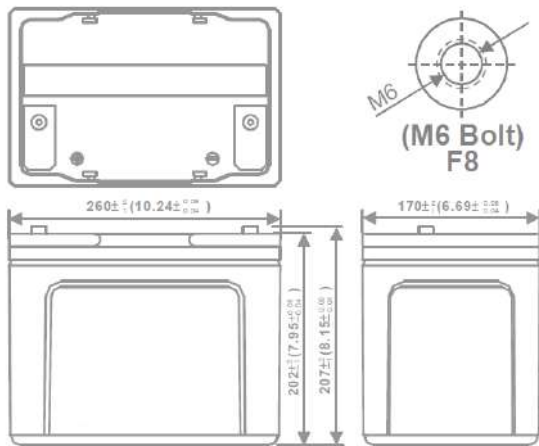
discharges MWP batteries can perform up to 600 charge-discharge cycles.

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

Specification		
Nominal Voltage		12V
Nominal Capacity		75Ah
Dimensions	Length	260 mm
	Width	170 mm
	Height	202 mm
	Total height	207 mm
Weight		24,2 kg

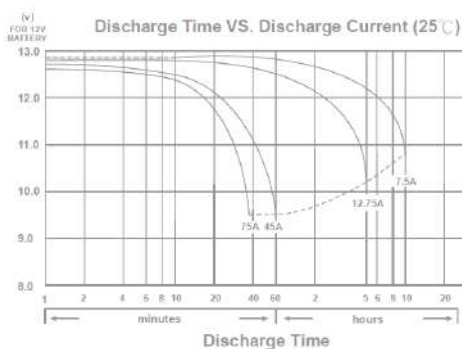


## Dimensions mm (inches)



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

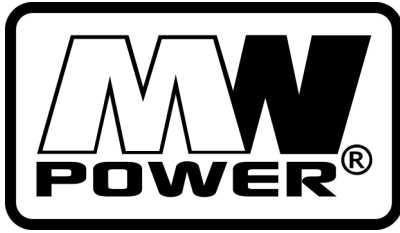
## Discharge characteristics



Characteristics		
Capacity for 25°C and cut-off voltage 10,2V	20h	80 Ah
	10h	75 Ah
	5h	64 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	22,5A	
Max discharge current	900A / 5s	
Temperature:	Discharging	-20°C—50°C
	Charging	-20°C—50°C
	Storage	-20°C—50°C



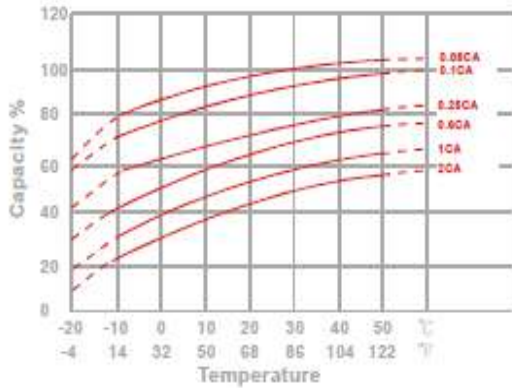
TRADE OFFICE:  
 03-310 WARSZAWA  
 ST. STANIEWICKA 14  
 PHONE. 32 44 00 960  
 FAX: 22 674 75 21,  
 E-MAIL: HANDEL@MPLENERGY.PL



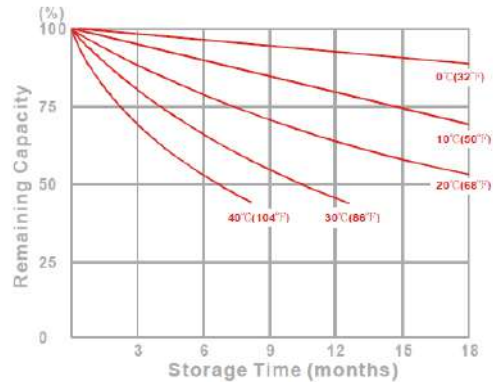
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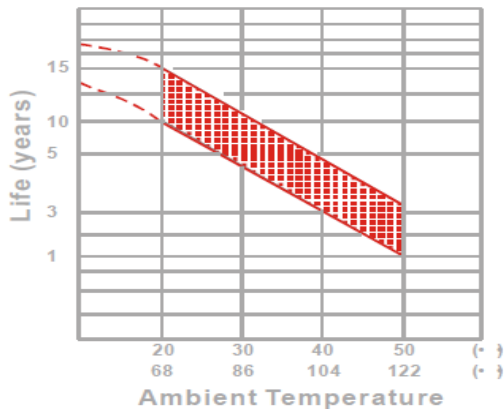
## Temperature effect on capacity



## Capacity Retention Characteristic



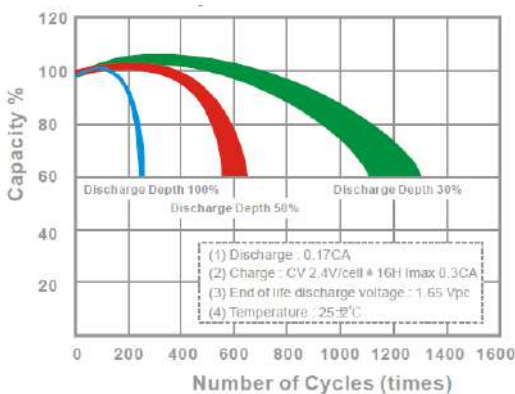
## Service Life



## 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	2440	2573	2948	3128	3311	3402
10 min	1670	1761	2018	2141	2267	2329
15 min	1068	1351	1438	1645	1723	1763
30 min	642	812	864	988	1035	1059
60 min	541	546	549	551	553	554
120 min	310	313	316	317	317	318
180 min	227	230	231	232	232	233
240 min	183	184	185	186	187	187
300 min	155	157	158	158	159	159
600 min	91,7	92,6	93,1	93,4	93,7	93,8
1200 min	48,2	48,6	48,9	49,1	49,2	49,2

## 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	218	230	263	279	296	304
10 min	145	153	175	186	197	203
15 min	90,9	115	122	140	147	150
30 min	53,9	68,2	72,6	83	87	89
60 min	45,3	45,7	46	46,1	46,3	46,3
120 min	23,8	24	24,1	24,2	24,3	24,3
180 min	18,9	19,1	19,2	19,2	19,3	19,3
240 min	15,1	15,2	15,3	15,4	15,4	15,4
300 min	12,8	13	13	13,1	13,1	13,1
600 min	7,55	7,62	7,66	7,69	7,71	7,72
1200 min	3,96	4	4,02	4,04	4,05	4,05



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