

MWP 150-12B

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%

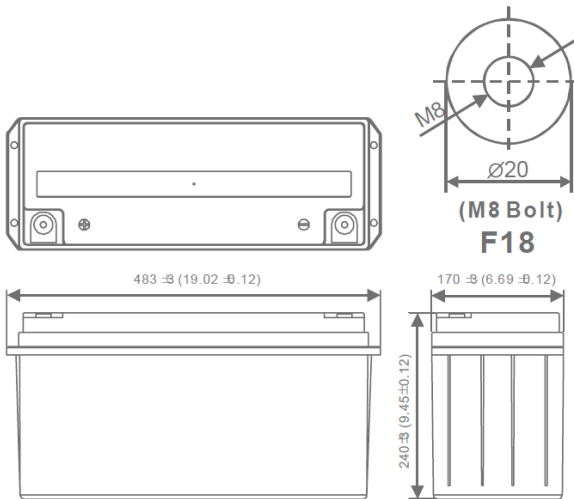
discharges MWP batteries can perform up to 600 charge-discharge cycles.

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

Specification		
Nominal Voltage		12V
Nominal Capacity		150 Ah
Dimensions	Length	483 mm
	Width	170 mm
	Height	240 mm
	Total height	240 mm
Weight		45,5 kg

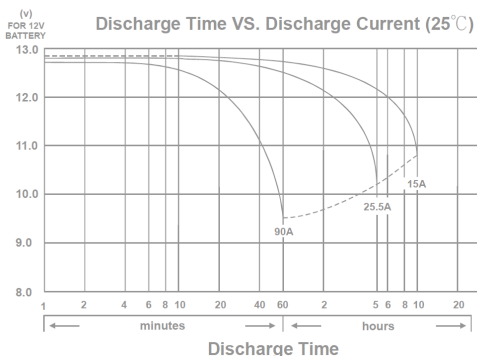


Dimensions mm (inches)



Recommended/max allowable torque value M8: 7Nm/9Nm

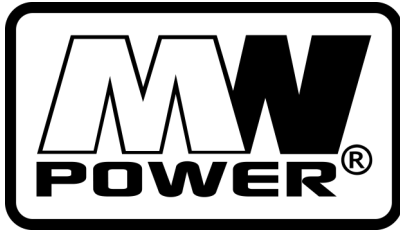
Discharge characteristics



Characteristics		
Capacity for 25°C and cut-off voltage 10,2V	20h	152 Ah
	10h	150 Ah
	5h	128 Ah
Internal resistance	Fully charged battery	4,8 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	F18 / ABS UL94-HB	
Charging	Standby use:	13,5-13,8 V
	Cycle use:	14,4-15,0 V
Max. charge current	45 A	
Max discharge current	1500A / 5s	
Temperature:	Discharging	-20°C—50°C
	Charging	-20°C—50°C
	Storage	-20°C—50°C



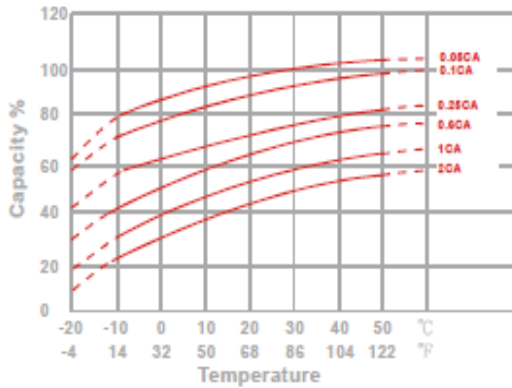
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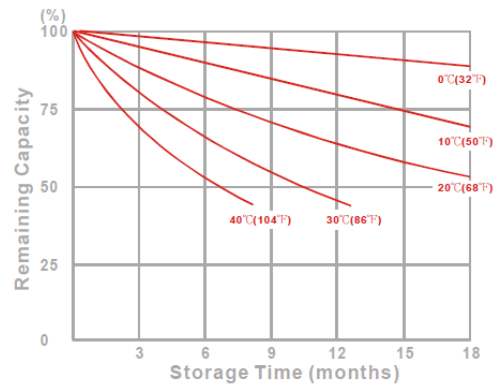
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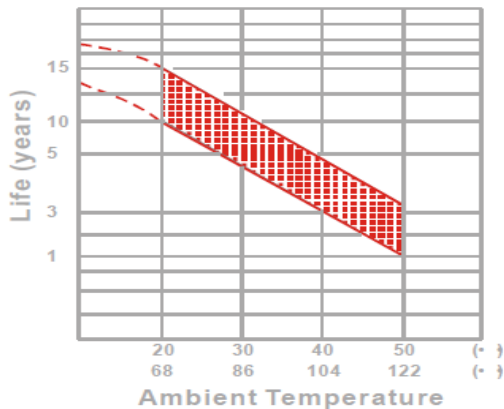
Temperature effect on capacity



Capacity Retention Characteristic



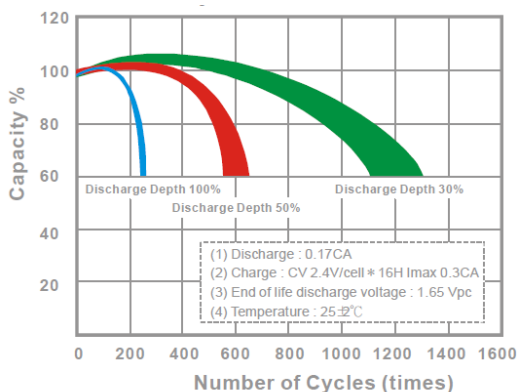
Service Life



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	3073	3629	4209	4498	4967	5013
10 min	2766	3102	3264	3438	3522	3588
15 min	2406	2640	2754	2868	2934	3000
30 min	1656	1758	1806	1854	1878	1944
60 min	1002	1020	1032	1044	1056	1098
120 min	672	678	684	690	690	702
180 min	471	478,2	483	485,4	486,6	491,4
240 min	367,8	373,2	376,8	378,6	379,8	383,4
300 min	302,4	306,6	309,6	311,4	312	315
600 min	181,8	184,2	186	187,2	187,2	189
1200 min	90	91,2	92,4	93	93	93

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	287	339	393	420	464	469
10 min	252	282	297	312	320	326
15 min	219	240	250	261	267	273
30 min	143	152	156	160	162	168
60 min	84	85,9	86,9	87,9	88,6	92,3
120 min	56,1	56,9	57,5	57,7	57,9	58,6
180 min	39,3	39,9	40,3	40,4	40,6	41
240 min	30,5	31	31,3	31,4	31,5	31,8
300 min	25,1	25,5	25,7	25,9	25,9	26,1
600 min	15,1	15,2	15,4	15,4	15,5	15,6
1200 min	7,42	7,54	7,62	7,67	7,68	7,7



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