



MWLG 200-12EV

12V 200Ah

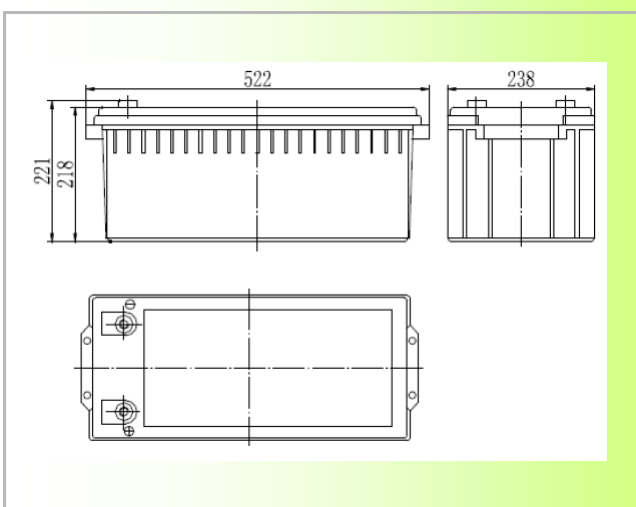
Compliance with standards:

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

Maintenance-free gel batteries MWLG MW Power series are made in the VRLA-GEL technology (a gel electrolyte separator PVC-SiO₂ with internal gas recombination). They are designed primarily for cycle work, and where deep discharges are present (such as PV systems, electric vehicles, cleaning machines, golf carts and wheel-chairs, electric power boats and camping). They can also be used in systems such as: UPS emergency power, emergency lighting, automation systems. For depth of discharge to 50% battery can perform up to 1000 cycles. The designed battery life is up to 12-15 years at 20-25 °C



Dimensions



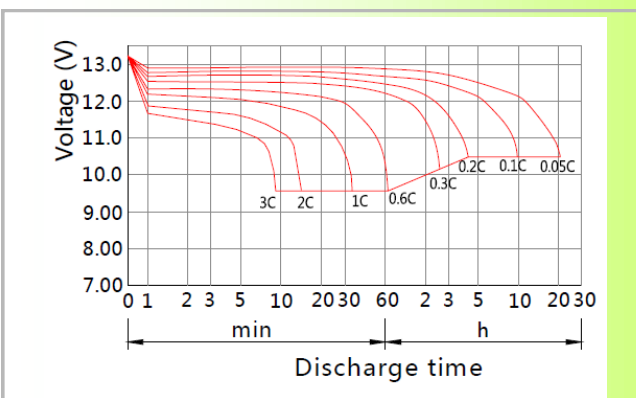
Specification

Nominal Voltage		12V
Nominal Capacity		200.0 Ah
Dimensions ABS Cover /(UL94-HB) optional UL94-V0	Length	522 mm
	Width	238 mm
	Height	218 mm
	Total Height	221 mm
Waga		62.0 kg

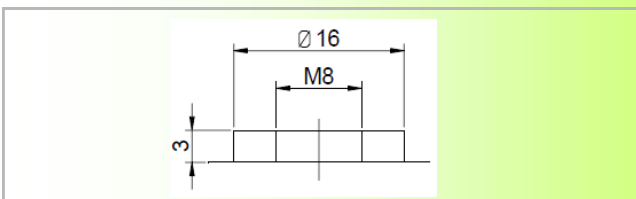
Characteristics

Capacity at 25°C and 10,5V cut-off voltage	20h	200.0 Ah
	10h	185.0 Ah
	1h	112.0 Ah
Internal resistance	Charged battery	3 mΩ
Capacity	at +20°C	100%
	at +0°C	85%
	at -15°C	65%
Self-discharge	3 months	91%
	6 months	82%
	12 months	64%
Terminal	M8 screw	
Charging	Buffer	13,50-13,80V
	Cyclic	14,20-14,50V
Max charging current	40,0 A	
Max. Discharge current	1400 A (5 sec.)	
Working Temperatures:		
Discharging: -20°C ÷ 50°C		
Charging: -20°C ÷ 50°C		
Storing: -20°C ÷ 50°C		

Discharge characteristic at 25 °C



Terminal





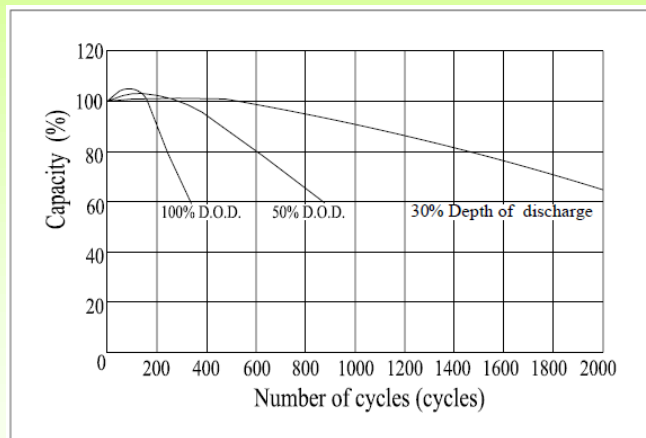
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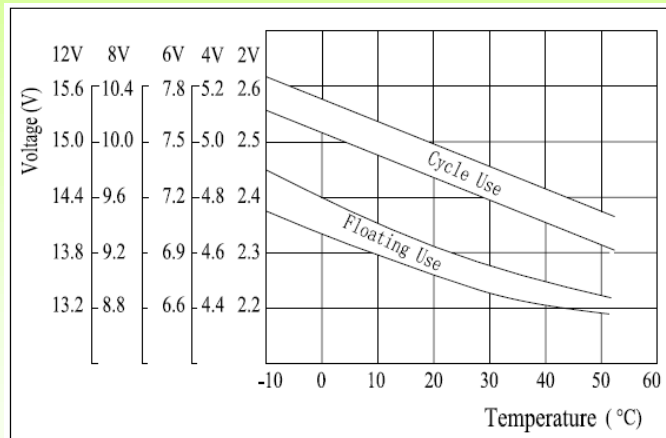
Zgodność z normami

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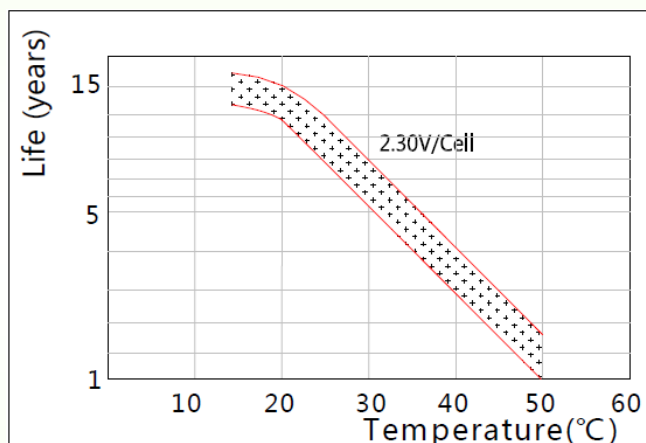
Zależność ilości cykli do głębokości rozładowania



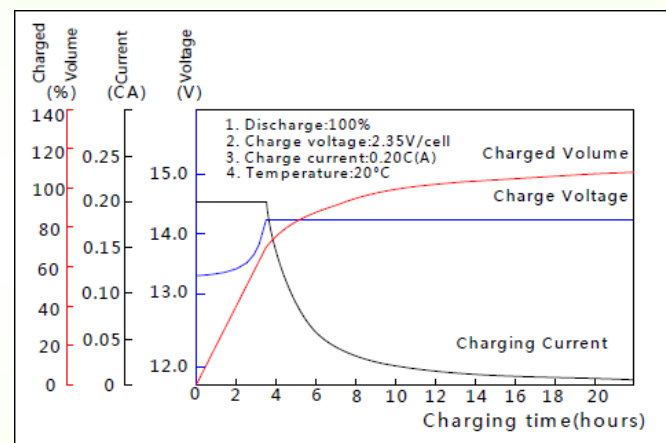
Charakterystyka napięcia ładowania względem temperatury



Zależność lat życia od temperatury



Charakterystyka ładowania



Stałoprądowa charakterystyka rozładowania (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	276	187	119	68.2	47.9	38.1	33.0	28.6	22.4	18.7	10.2
9.90V	269	183	117	67.8	47.7	37.9	32.9	28.4	22.3	18.7	10.2
10.2V	259	178	114	67.2	47.3	37.7	32.6	28.2	22.2	18.6	10.1
10.5V	251	174	112	66.2	47.0	37.4	32.4	28.0	22.0	18.5	10.1
10.8V	237	167	108	64.5	45.6	36.3	31.4	27.2	21.3	18.4	10.0

Stałomocowa charakterystyka rozładowania (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	3080	2134	1366	794	567	451	393	339	268	225	123
9.90V	3006	2091	1346	789	563	448	390	337	266	224	123
10.2V	2895	2027	1312	782	559	445	388	335	265	224	122
10.5V	2797	1978	1286	770	556	442	385	333	263	222	121
10.8V	2649	1906	1246	751	539	429	373	323	255	221	121