

Made in USA  
10 Year Warranty

Introducing the  
Pure Lead  
High Rate  
Next Generation

**MX** 

**AGM  
Battery**  
from



**POWER  
STORAGE  
SOLUTIONS**

"Power is at the center of everything we do"



The MX<sup>Plus</sup> battery is ideal for use in a range of applications, including UPS, Switchgear and Control and energy storage.

Front terminal batteries help mitigate the dangers of arc flash when configured properly.

10 Year warranty ( 5 year full + 5 year prorata )

Published two (2) minute discharge rates

Manufactured in the USA

- ❖ Performance excels at high rates of discharge and recharge
- ❖ Pure lead electrochemistry greatly increases temp and corrosion resistance, while reducing component aging
- ❖ Thin plates deliver large surface area, high power density and low resistance
- ❖ Design life 15+ years at 20°C (68°F)
- ❖ EUROBAT design life definition: Very Long Life (12+ years)
- ❖ Extra long life at high temp operation 40°C (104°F)
- ❖ High cyclic performance
- ❖ Fast recharge
- ❖ Shelf life of up to 24 months
- ❖ Operates even at extreme temperatures of -40°C to +65°C (-40°F to +149°F)
- ❖ Advanced 3 stage terminal design to ensure leak-free operation
- ❖ Female M8 brass terminals provide maximum performance
- ❖ Non-halogenated, thermally sealed PPOI plastic casing and cover
- ❖ Flame retardant (UL 94 VO) and LOI of at least 28%
- ❖ Integral handles and front access terminals ensure ease of installation and maintenance
- ❖ Approved as non-hazardous cargo for ground, sea, and air transport

# Specifications

MX <sup>Plus</sup>							
	12170F	12245F	12365F	12425F	12450F	12650F	12730F
Height (in.)	8.2	10.4	10.4	11.3	8.9	11	12.6
Width (in.)	3.8	4.2	4.2	4.2	4.9	4.9	4.9
Length (in.)	9.8	11.3	15.6	15.6	22.0	22.0	22.0
Weight (lbs.)	33	49	73	77	88	119	137
Terminal Torque	71 in-lbs / 8.0 Nm						
4C (15 Min) power to 1.67 VPC	154 / 164 watts	238 / 248 watts	342 / 365 watts	385 / 410 watts	454 / 484 watts	608 / 649 watts	682 / 728 watts
Operating Temp Range	-40° C to +65° C						
Float Voltage*	2.28 / 2.27 VPC						
Impedance (1KHz)	4.1 mΩ	2.82 mΩ	2.63 mΩ	2.60 mΩ	2.40 mΩ	2.30 mΩ	2.25 mΩ
Conductance	1005 S	1,588 S	1,648 S	1,921 S	2,091 S	2,300 S	2,386 S
Short Circuit Current	1,500 A	2,100 A	4,200 A	3,500 A	3,800 A	5,000 A	6,000 A
Nominal Voltage	12 VDC						
Terminal	Female M8 X 1.25						
<i>* Capacities and float voltages given at 20° C (68° F) and 25° C (77° F)</i>							

MX <sup>Plus</sup>			
	12310T	12425T	12540T
Height (in.)	7.9	8.4	10.8
Width (in.)	6.8	6.8	6.8
Length (in.)	10.3	13.4	13.6
Weight (lbs.)	57	75	99
Terminal Torque	71 in-lbs / 8.0 Nm		
4C (15 Min) power to 1.67 VPC	291 / 310 watts	397 / 423 watts	506 / 540 watts
Operating Temp Range	-40° C to +65° C		
Float Voltage*	2.28 / 2.27 VPC		
Impedance (1KHz)	2.61 mΩ	2.40 mΩ	2.37 mΩ
Conductance	1760 S	1,875 S	1,952 S
Short Circuit Current	3,000 A	3,900 A	3,600 A
Nominal Voltage	12 VDC		
Terminal	Female M6 X 1.0		
<i>* Capacities and float voltages given at 20° C (68° F) and 25° C (77° F)</i>			

# Selected Discharge Specifications

Selected MX <sup>Plus</sup> discharge tables @ 25°C									
<b>MX<sup>Plus</sup> 12425T</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	807	667	499	401	337	256	190	152	85
1.7	873	709	523	417	348	263	194	154	86
1.67	911	732	536	425	354	266	196	155	86
1.65	934	745	543	430	357	268	197	156	86
1.6	986	774	558	439	363	272	199	157	87
<b>MX<sup>Plus</sup> 12540T</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	1083	858	630	502	420	319	236	189	106
1.7	1197	925	667	527	438	329	242	193	107
1.67	1259	961	687	540	447	335	245	194	107
1.65	1298	984	699	548	452	338	247	195	108
1.6	1381	1032	775	564	464	345	251	198	108
<b>MX<sup>Plus</sup> 12425F</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	925	688	490	386	321	242	189	142	80
1.7	1027	739	516	402	332	248	182	144	80
1.67	1083	766	529	410	338	252	184	146	81
1.65	1117	783	537	415	341	254	185	146	81
1.6	1193	818	554	426	348	258	187	148	81
<b>MX<sup>Plus</sup> 12450F</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	1097	818	582	458	380	287	212	189	95
1.7	1210	873	610	475	393	294	216	171	96
1.67	1274	903	624	484	399	298	218	173	96
1.65	1315	921	632	489	402	300	219	173	96
1.6	1409	960	650	500	409	303	221	175	97
<b>MX<sup>Plus</sup> 12650F</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	1238	1019	757	604	505	383	283	225	125
1.7	1384	1104	803	634	526	395	289	229	126
1.67	1468	1151	827	649	536	401	292	231	127
1.65	1521	1179	841	658	543	404	294	232	127
1.6	1643	1240	871	676	555	411	298	234	128
<b>MX<sup>Plus</sup> 12730F</b>									
End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	1064	999	807	672	577	453	344	279	161
1.7	1231	1101	863	709	603	468	353	285	163
1.67	1325	1156	893	728	617	476	357	287	164
1.65	1383	1191	911	740	625	480	360	289	164
1.6	1511	1264	950	764	642	490	365	292	165