

12GX210F

Pure Lead High Rate Battery

12GX210F is a robust 12V valve regulated lead acid battery specifically designed for high-rate discharge applications.

Key Benefits

- Easy installation & upscaling capabilities
- Compact design for space efficiency
- High operational reliability
- Maximized corrosion resistance
- Exceptionally long service life & increased energy density

Safety Standards & Compliances

- CE & UL Certified
- ISO 9001
- ISO 45001
- IEC 60896
- ISO 14001
- OHSAS 18001

Specifications

Nominal Characteristics		
Nominal Voltage		12V
Nominal Rate		725 WPC (77°F / 25°C)
Nominal Capacity		210 Ah (77°F / 25°C)
Dimensions	Length	22.0 in / 559 mm
	Width	4.92 in / 125 mm
	Height	12.9 in / 320 mm
Weight		133.4 lbs / 60.5 kgs
Terminal		M8 / M6 Optional
Container Material		ABS-FR (UL94 V-0)
Design Life		20 Years
Warranty		5 Year Full
Electrical Characteristics		
Short Circuit Current		4200A
Internal Resistance		Approx. 2.9 mΩ (Fully Charged)
Charge Temperature		-4°F to 129°F / -20°C to 54°C
Discharge Temperature		-40°F to 149°F / -20°C to 65°C
Storage Temperature		-4°F to 122°F / -20°C to 50°C
Nominal Operating Temperature Range		77 ± 5°F / 25 ± 3°C
Max. Charge Current		0.3C
Float Charge (-3mV / cell / °C)		2.27 ± 0.02V / cell
Equalization Charge (-4mV / cell / °C)		2.35 - 2.40V / cell
Self Discharge		Can be stored up to 2 years 77°F (25°C)

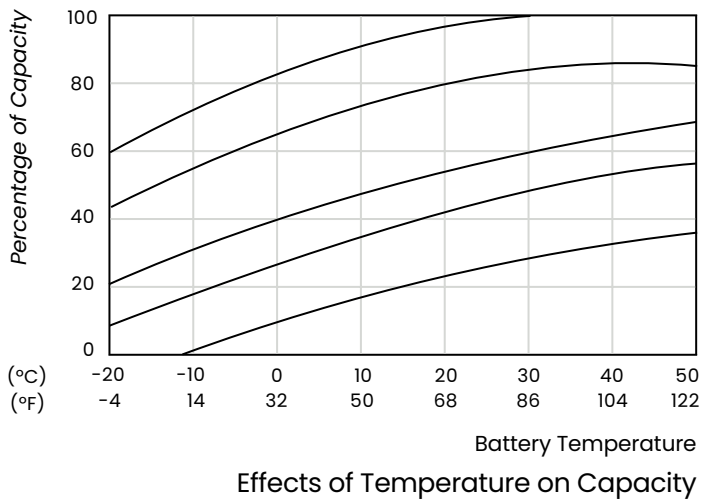
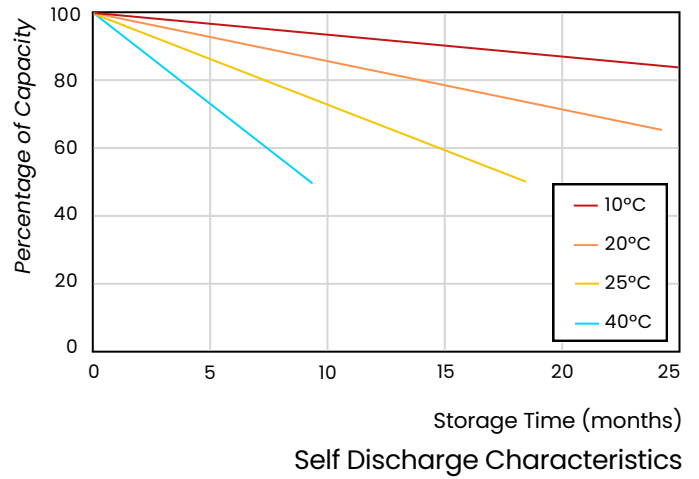
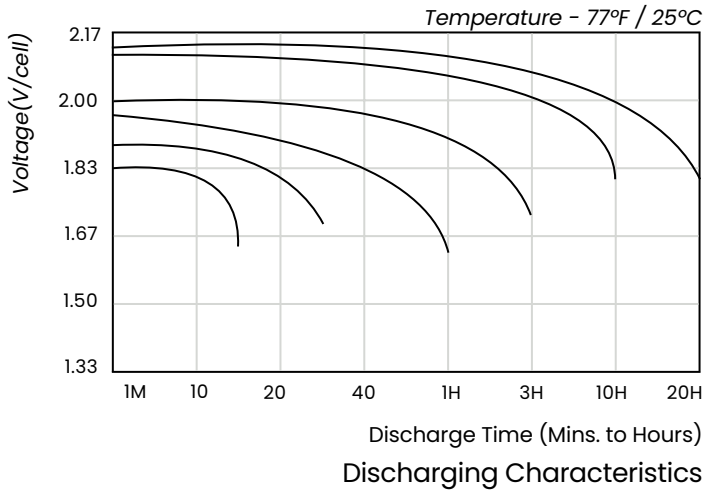
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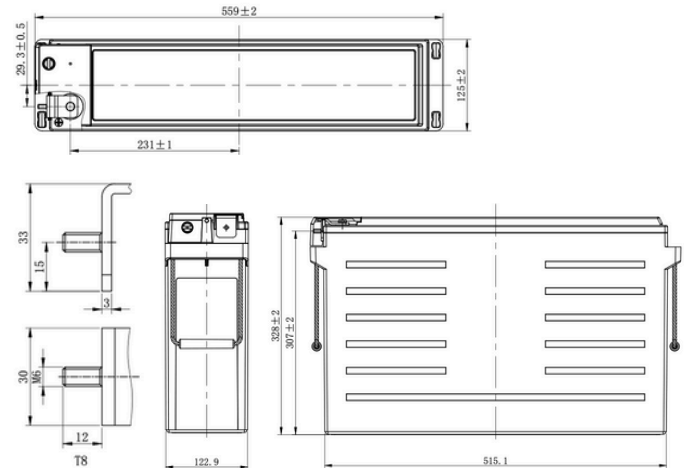
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Performance Curves



Drawing



Discharge Data

Constant Current Discharge Data in Amperes at 77°F (25°C)								
F.V / Time	10 Min	15 Min	30 Min	1 Hr	3 Hr	8 Hr	10 Hr	20 Hr
1.85V / cell	353.9	298.4	206.5	129.2	57.3	24.8	20.3	11.1
1.75V / cell	427.4	354.2	233.0	143.0	60.6	26.2	21.3	11.6
1.67V / cell	479.6	384.8	246.0	149.4	62.7	26.5	21.7	11.8
Constant Power Discharge Data in Watts Per Cell at 77°F (25°C)								
1.85V / cell	674.0	578.0	409.5	256.2	114.5	49.5	41.3	22.3
1.75V / cell	799.5	676.0	462.3	279.8	120.3	51.5	42.9	23.3
1.67V / cell	864.2	725.0	488.0	289.3	123.5	53.0	43.4	23.5

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