Axil 5Ah 12V AGM VRLA HR
High-rate Battery



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This battery is purpose-built for high-rate discharge applications, utilizing heavy-duty grids and specialized AGM separators.

Designed to maintain steady performance under heavy current loads, this battery is optimized for high-capacity UPS / EPS setups and demanding power applications.

Specifications

Nominal Voltage		12V
Rated Capacity 20 hr to 1.75V per cell @ 25°C		5Ah
Dimensions	Length	90 ± 1mm (3.54 inch)
	Width	70 ± 1mm (2.76 inch)
	Height	101 ± 1mm (3.98 inch)
	Total Height	106 ± 1mm (4.21 inch)
Weight Approx.		1.50kg (3.32lbs) ± 2%

Construction

• Positive Plate	Lead dioxide
• Electrolyte	Sulfuric acid
• Separator	AGM
• Negative Plate	Lead
• Safety Valve	Rubber
• Terminal	Copper
• Container & Cover	ABS UL94-HB, UL94-V0
	Optional

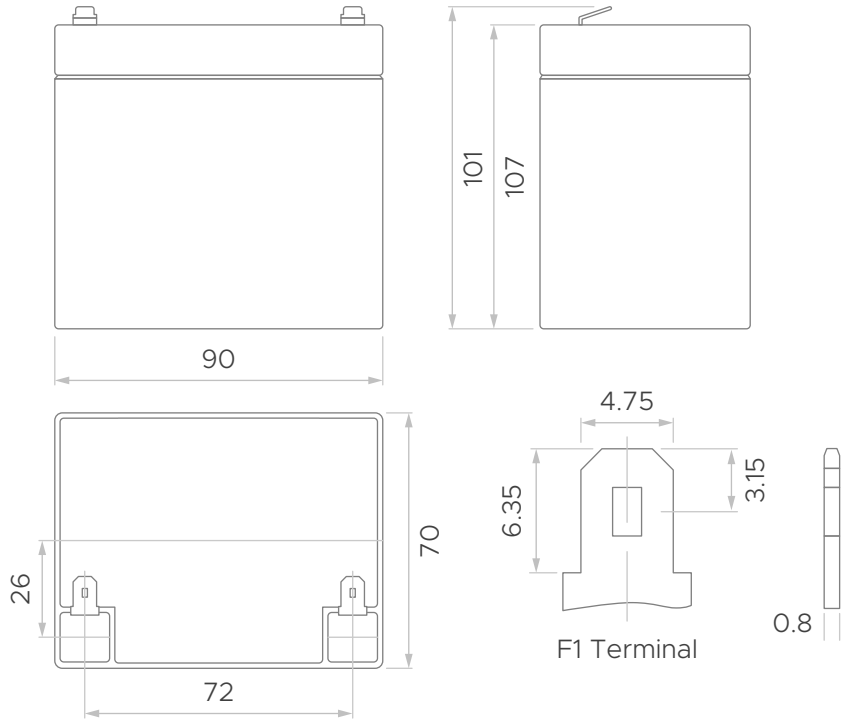
Characteristics

Capacity 25°C	20 Hr	5.00 Ah
	10 Hr	4.67 Ah
	5 Hr	4.36 Ah
Terminal Type		F1
Inner Resistance (fully charged 25°C)		Approx. 26 mΩ
Capacity affected by temperature	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 months	Remaining Capacity: 91%
	6 months	Remaining Capacity: 82%
	12 months	Remaining Capacity: 65%
Nominal Operating Temp.		25°C ± 3°C (77°F ± 5°F)
Operating Temperature Range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Maximum charge current		1.5A
Maximum discharge current		50A (5 sec.)
Designed Life		3 ~ 5 years

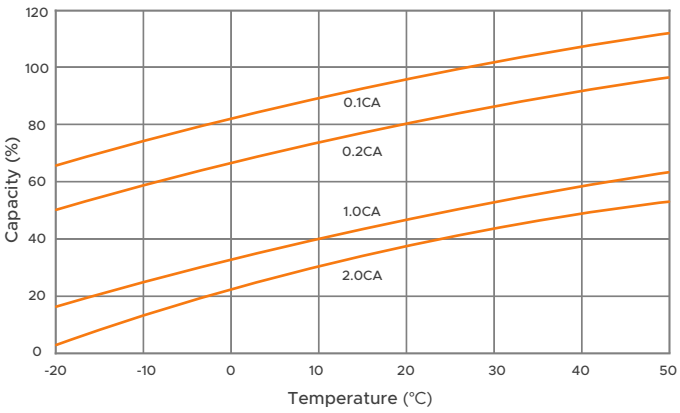
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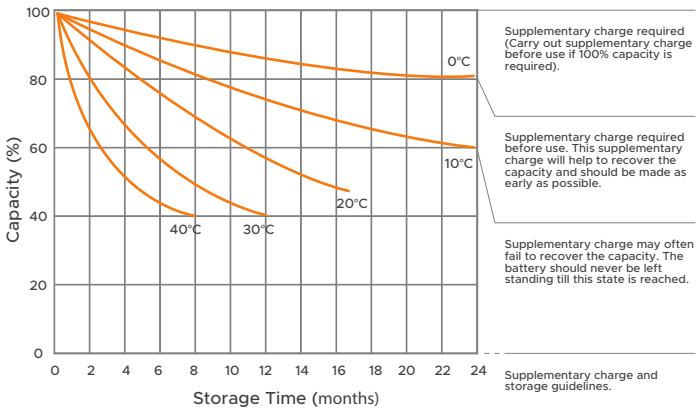
Technical Specification



Temperature Effects On Capacity



Storage Characteristics



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