

Battery Specifications

Model	AFB3.10 (1000V)	AFB3.10 (1500V)
Energy Storage Capacity, Rated	40 kWh	
Continuous DC Power, Max	12 kW	
DC Power, Rated	10 kW	
Energy Storage Duration, Nominal	4 hours	
Operating Voltage, Nominal	850 V	1300 V
Voltage Range, Full Power	750 to 950 V	1200 to 1400 V
Min. Voltage	750 V	1200 V
Max. Voltage	1000 V	1500 V
Current, Rated	±16 A	±10 A
Energy Storage Capacity, Annual Degradation ¹	< 0.5% per year	
Battery Energy Efficiency, Round-Trip (DC)	> 75%	
Energy Efficiency, Annual Degradation ¹	< 0.1% per year	

Physical

Battery Dimensions (L x W x H), not including Power Converter	1.76 m x 1.33 m x 2.08 m [70" x 52.5" x 82"]
Mass (flooded)	3900 kg [8600 lbs]

Environmental

Ambient Operating Temperature Range	-5 to 45°C
Cooling	Integrated, forced air
Extended Ambient Operating Temperature Range, with Optional Cold Weather Kit	-25 to 45°C
Storage Temperature Range	-25 to 50°C

Certification / Standard Compliance

Safety	UL 1973*
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¹ On the basis of 130 full depth-of-discharge cycles per year