

AFB3 DC Battery — 10 kW

Stationary energy storage system with industry-leading dependability, safety, and economics. Uses proven vanadium redox flow technology to store energy in an aqueous solution that never degrades, is non-flammable, and requires little maintenance and upkeep. Entirely self-contained with a built-in DC:DC converter to provide consistent DC voltage for direct connection to an inverter. May be configured in banks of 10.

Performance	1000V Interface	1500V Interface
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
Current, Rated	±16 A	±10 A
Full Depth of Discharge Cycles, Lifetime	Unlimited	
Energy Storage Capacity, Annual Degradation	< 0.5% per year	
Battery Energy Efficiency, Round-Trip (DC)	> 75%	
Energy Efficiency, Annual Degradation	< 0.1% per year	
Physical		
Battery Dimensions (L x W x H)	1760 x 1210 x 2080 mm [69.3 x 47.6 x 81.7 inches]	
Weight (flooded)	3720 kg [8200 lbs]	
Environmental		
Ambient Operating Temperature Range	-5 to 45°C	
With Optional Cold Weather Kit	-25 to 45°C	
Cooling	Integrated, forced air	
Storage Temperature Range	-25 to 50°C	
Certification / Standards Compliance		
Safety	UL 1973	