

CUSTOMER REFERENCE

BES/2015/002



CUSTOMER INFORMATION



UniEnergy Technologies (UET)

(TECHNICAL) SPECIFICATIONS

Locations	Mukilteo, Washington, USA Pullman, Washington, USA
Application	Energy storage solutions
Architecture	The core patented technology is an advanced vanadium flow battery. The Uni.System™ features a plug & play ISO containerized design, state-of-the-art controls, and power electronics. The water-based technology is inherently safe, operationally flexible, reliable, long-life, and economically compelling.
Products AEG PS	Protect SC.600

AEG Power Solutions Storage Converters Chosen by UniEnergy Technologies for Battery Energy Storage Systems

UniEnergy Technologies (UET) selected the Protect SC.600 storage converters for their Uni.System™ because of its outstanding mix of features and benefits. Protect SC.600 is a bi-directional power converter based on IGBT technology. In battery energy storage systems, it transforms the battery's chemically stored energy into a useful grid service by supply the right electric component, at the right time, with the right amount and form of electrical power. The Protect SC.600 storage converters are installed at two sites: At UET's headquarters in Mukilteo, Washington, USA in a 2 megawatt/4hrs (8 MWh) installation and in UET's 1 megawatt/4hrs (4 MWh) deployment at a manufacturing facility in Pullman, Washington, USA, the largest deployed flow battery in North America and Europe, supporting demand response, peak shaving, renewable generation integration, ramping, and frequency and voltage regulation. UET delivers megawatt-scale energy storage solutions for both power and energy simultaneously. Projects to date include for utilities, commercial and industrial, and micro-grids. The core patented technology is an advanced vanadium flow battery. The water-based technology is inherently safe, operationally flexible, reliable, long-life, and economically compelling.