

Custom Designed Generators

Hunter Defense Technologies approached Dewey Electronics with an urgent need for a customized 2kW generator. The requirements for this generator were different from the standard 2kW that we provide as our Military Tactical Generator. Modifications had to be made to change to a larger engine, provide an on-board self-charging battery for electric starting, operate continuously in cold weather, and have an electric fuel pump to take fuel from a remotely located tank. Additionally, the unit had to be skid mounted, and a quantity of five had to be delivered in less than five months.

The design was initiated within our engineering department using our Pro-E workstations, and the units were assembled in our dedicated prototype facility on the factory floor by our engineers, technicians, and prototype support personnel. The unit met all performance requirements, and the project manager provided these words upon shipment of the last unit, "... thank you for your effort with getting these generators to us. You have met all of your promised delivery dates and provided a high quality product..."



Custom Enclosed 2kW Generator

Dewey undertook a design and development effort customer directed contract to provide six prototype enclosed 2kW 28VDC generators that provide a low noise signature, auto starting/stopping, battery charging, and energy management capabilities for a trailer mounted application. In this particular application the trailer and its equipment would be left unattended for seven days at a time, and the generator was required to keep the batteries charged during this time as it powered surveillance equipment on the trailer with only 15 gallons of fuel.

Design began in December, and assembly in our prototype area was on-going in February. Engineering testing and final acceptance were performed in March with the first four units shipped in April. The prototype team logged overtime and worked weekends at the Dewey facility for four months to meet the demand for product performance and schedule compliance. A grateful customer commented, “We definitely appreciate all the hard work put in by your team to make this possible.”

