



ATTABOX® HEARTLAND™ ENCLOSURES OFFER AESTHETIC AND FUNCTIONAL PERFORMANCE SOLUTIONS FOR PROTECTING SUBMETERING SYSTEMS

THE SITUATION:

CanMeter, located in Ottawa, Ontario, is the largest supplier of electricity submetering systems across Canada to the Campground and RV Park industry. Housed in custom enclosures, these meters mount at breakers or distribution points, are customized per each application, and can easily be installed by a local electrician. CanMeter systems provide diverse voltage capabilities and all have communications output for remote monitoring and easy viewing of numeric readouts keyed to an individual site. CanMeter makes it possible for campground owners to economically monitor and recover campsite electrical usage.

THE CHALLENGE:

CanMeter utilizes enclosures for housing and reliably protecting its submetering systems. The meters require enclosures with NEMA and IP67 ratings. According to Peter Vuicic, owner of CanMeter, polycarbonate is the enclosure material of choice for a number of reasons.

“Compared to PVC enclosures, which have

inadequate inherent strength and will shatter, most polycarbonate enclosures can survive hammer blows and other abuse,” Vuicic notes. “After all, bulletproof panels and police and military riot shields are made from polycarbonate. In our business, a lockable, secure enclosure that will stand up to vandalism is a huge asset.”



CanMeter Submetering System
made with AttaBox Industrial Enclosure

The company was having difficulties, however, finding a supplier for enclosures that functioned as required. Specifically, they were challenged by ongoing issues of smooth enclosure substrates being ruined by degradation arising from the drilling of conduit holes. The surface would delaminate and chip when the hole-saw broke through the surface. Also, door flanges were prone to breaking, which would create an unacceptable functional and aesthetic problem.

THE SOLUTION: ATTABOX ENCLOSURES

CanMeter discovered the Heartland™ Series of polycarbonate enclosures from AttaBox®. The high-performing Heartland enclosures are applicable for demanding electrical

and industrial conditions, and they feature a refined style suitable for commercial, industrial and OEM design applications.

“For more than ten years, we have been successfully using AttaBox® Heartland™ series enclosure and have had no problems,” Vuicic shares. “These are robust, high-quality, maximum-protection enclosures.”

As Vuicic and the CanMeter team quickly learned, AttaBox enclosures have a number of features that make them stand out from the crowd.

“Functionality and appearance are both very important,” Vuicic says. “We find the polycarbonate easy to drill and modify, which is key because each of our submeters must be customized. Heartland enclosures are available in many sizes which is also of value. We use multiple dimensions up to 24” x 24”.

“[HEARTLAND SERIES] ARE ROBUST, HIGH-QUALITY, MAXIMUM-PROTECTION ENCLOSURES.”

-Peter Vuicic, CanMeter

“We find added value in the molded-in mounting bosses that allow us to install DIN rails directly to Heartland enclosures without the need of a back panel,” he continues. “That is a big plus in our industry because it means they are faster and simpler to install. We can still mount a standard panel if necessary.”

Heartland Enclosures are NEMA rated Type 1, 3R, 4, 4X, and 12, and are available in sizes ranging from 6 x 6 x 4 to 24 x 24 x 10. The polycarbonate resin in the Heartland series has attained the best available “F1” rating, having passed critical tests for UV exposure and water immersion. Heartland enclosures are rain-tight and watertight rated for use in both interior and exterior applications.

Material ratings, as well as product ratings, assure the user that polycarbonate is designed to perform, without adverse affects, in cold weather applications. Plus, corrosion-resistant polycarbonate can be effectively used across a wide range of aggressive environments.



Heartland's molded-in mounting bosses allow DIN rails to be installed without the need for back panels, saving time and material cost.

HEARTLAND™ ENCLOSURES INNOVATIONS AND BENEFITS:

- Fully non-metallic hinge does not penetrate inside enclosure
- Easy-to-remove lid
- Thick, robust sidewall construction eliminates sidewall flexing
- Integrated padlock hasp
- Flush-fit side mount swing panel and DIN rail system
- Multi-directional mounting feet
- Available in standard opaque or clear cover

FOR MORE INFORMATION:

CanMeter
www.canmeter.com

AttaBox Enclosures
www.attabox.com