

Cable Runs

Rate 400A cables to 350A for load testing.

Avoid cable runs over 200' if possible. Runs over 200' may require additional cable, quality cable connections are critical.

Cable runs with multiple cables per phase require cables for each phase NOT be bundled together. Instead, cables should be bundled together with the other phases, three cables at a time.

(Example: one cable from phase 1, phase 2, and phase 3 together; then repeat.)

Load test cables should match: length, type of lugs, etc. They should also match in terms of number of conductors and written specifications. Ideally, they should be from the same manufacturer.

Transportation

A single flatbed semi can legally carry these units:

- 2 each, 3.3MVAs or smaller model
- 3.3MVA and a transformer
- Single 6.25MVA

Units can weigh up to 38,400lbs. Cranes and large forklifts are necessary to offload units.

Crestchic loadbanks can be shipped on their own specially made chassis or loaded onto a common carrier's trailer.

Loadbank Placement

Avoid placing a top-discharge loadbank under any overhang due to the extremely high temperature of the discharge-air.

The loadbank's fans create substantial noise that should be considered when placing the unit.

A 6' perimeter per unit is required to avoid restrictions to air flow or cooling air being recirculated.

Controls cannot be located by high voltage cable.

Set-up

An auxiliary source of 480V power for fans and controls is recommended: 80Amps for a 3.3MVA and 100 Amps for a 6.25MVA. This is highly recommended for testing that requires block loading because of the anticipated voltage drop.

Phase rotation is not a concern.

Operations

Operator training is required.

Weather conditions are not a factor for operating a Crestchic loadbank.

Personal ear protection is required based on noise levels.

Voltage

The test voltage is always measured from Phase-to-Phase.

Capacity of loadbank is determined by voltage.

Preventive Maintenance

Check air filters regularly.

Check electrical connections at least once a year.

Lubricate door hinges.



Renting with HPS Loadbanks was the best choice for our project. We came in under budget and with the extra long reach of the control cord, my team was able to efficiently test the ship's generators without a large crew.

Project Supervisor,
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