



12/03/14

**Subject: Certification of Conformance with IEEE C57.12.28 for Pad Mounded Enclosure
(Model PE)**

Testing per IEEE C57.12.28 was performed on a standard production models of PE (Padmount Enclosure) series. Tests covering the enclosure security were performed on units bolted to a concrete pad. The access doors were closed and locked with a combination of a padlock and a penta head bolt. The tests were performed on the specified sequence and at the specified values.

There was no structural damage to the enclosure from any the tests. The probing wire was unable to enter the enclosure following either the pry or pull tests. After all tests had been performed, the enclosure was unlocked and opened, then closed and locked. The enclosure was found to be operating correctly with no damage.

A standard production FRP sample, approximately 2' x 2', nominal thickness of 3/16", with ISO/NPG gelcoat was tested to ASTM standards with the following minimum results:

Laminate Tests

Tensile Properties of Plastics	ASTM D638-10	10,000 psi
Tensile Modulus of Elasticity	ASTM D638-10	13,000 kpsi
Flexural Properties of Reinforced Plastics	ASTM D790-10	20,000 psi
Flexural Modulus of Elasticity	ASTM D790-10	13,000 kpsi
Compressive Properties of Rigid Plastics	ASTM D695-10	15,000 psi
Izod Pendulum Impact Resistance of Plastics	ASTM D256-10	5.5 ft /lbs/in
Barcol Indentation Hardness of Rigid Plastics	ASTM D2583-07	42-46
Burning of Solid Plastics in Horizontal Position Classified as self-extinguishing	ASTM D635-10	HB rating

Gelcoat Tests

Fluorescent UV- Exposure of Nonmetallic Materials 1500 hours accelerated exposure	ASTM G154-06	1.96 delta E
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Power Design Inc. certifies that the models PE (Pad mount Enclosure) series meet or exceed IEEE C57.12.28.

Power Design Inc.

Eric R. Cederstam
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