

How to Check Capacitance

***Please Note: This is a suggested procedure and is not necessarily all inclusive and should be done by a qualified technician. If you do not have a qualified technician, please contact Castle Power Solutions, LLC and we can provide you with a quote for service. ***

1. De-energize the equipment following the manufacturer's instructions.
2. Isolate the equipment from system.
3. Ground the equipment.
4. Wait at least 5 minutes to proceed to the next step.
5. Disconnect line-side terminal of the power capacitor unit being tested.
6. Each power capacitor unit needs to be individually grounded by touching its bushings with a grounded tip at the end of a high voltage stick.
7. Using digital multi-meter or capacitance meter hook one alligator clip to one bushing and second alligator clip to other bushing,

Power capacitor unit rating should be 0 to +10% of its nominal nameplate rating.

·If a power capacitor unit is shorted the digital multimeter will show O.L.

·If a power capacitor unit is open the digital multimeter will show di.sc or a very low capacitance reading.

·A power capacitor unit can partially fail if the capacitance is greater than 10% of the capacitors nominal value.

