

# Monitoring 480V and 600V delta systems

Never attempt to connect the eGauge directly to a 480V delta or 600V delta service using the "Lx" and "N" terminals.

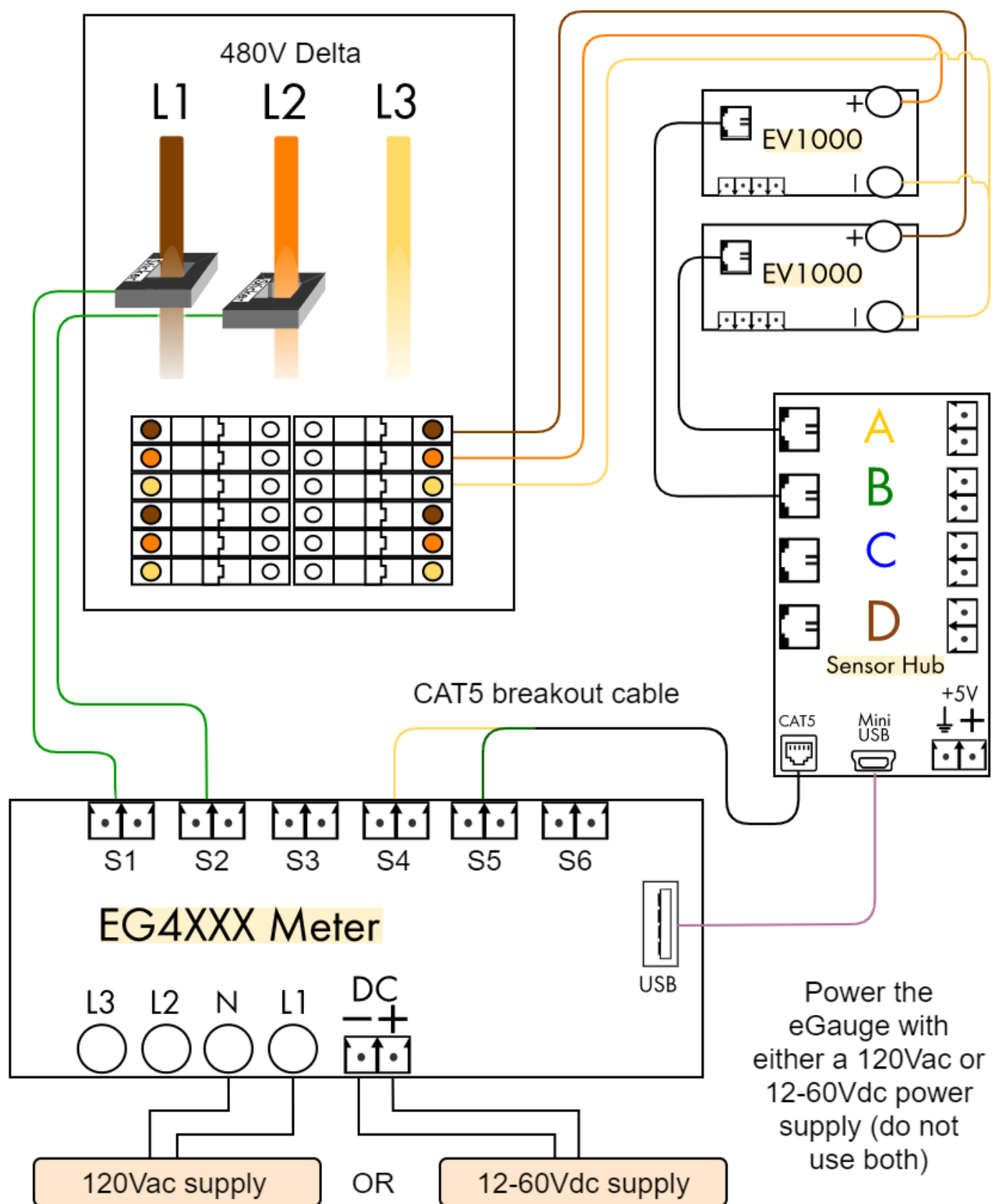
Connecting an eGauge meter directly to a 480V delta or 600V delta service will destroy the meter. This is not covered under warranty.

The eGauge requires a connection to the "N" terminal, failing to connect a proper "N" can result in device damage.

The eGauge is capable of directly measuring voltages up to 277V L-N (480V L-L). In the case of a delta system with no neutral, the maximum phase-to-phase voltage is 277V as the "N" terminal of the meter has one of the line voltages connected.

A 480V or 600V delta without a neutral may be monitored by the eGauge using [EV1000 High Voltage Sensors](#).

The below diagram shows a 480V delta system. 600V delta systems may be measured in an identical manner.



EV1000 high voltage sensors are CTid-compatible. See [this article](#) for instructions on configuring CTid-compatible sensors.

The register configuration for the example shown above is simply  $S1 \times S4 + S2 \times S5$ . Note that your configuration may differ depending on which ports are used.

Name:	Recorded value/formula:																		
Grid	x	=	P	v	=	S1	v	x	S4	v	x	+	S2	v	x	S5	v	x	Add Component
Add Register																			

Proper CT/phase pairing is *required* for accurate readings.

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Please visit [kb.egauge.net](http://kb.egauge.net) for the most up-to-date documentation.