



35 Amp Solid Core Current Transformer Specification

This document is intended to be used with the Packet Power 3-Phase Power Monitoring Module User's Manual. Please refer to it for important information. Note

Packet power uses 2 35A CTs: one with Geist Mfg 8144 written on it (black/read lead wires) and one with "PacPow 35A" written on it (black/white lead wires).

Technical Specifications

CT Type: Solid Core

Rated Input: 0-35 Amps AC (nominal)

Max (Load): 35 A

Inside Diameter: 9mm

Outside Diameter: 22mm

Width: 9mm

Accuracy: $\pm 1\%$

Leads: 24AWG

Lead Length: 200 mm max.

Vector Indication: red/black wire CTs: shiny side with the white dot points towards the source.
White/black wire CTs: shiny side faces the supply, the dull side faces the load.



Installation Notes

Polarity: (see figure 2)

- Black wire to negative (-) terminal
- Red or White wire to positive (+) terminal

To install the CT on the conductor cable:

- Attach the CT leads to the monitoring module while the module is not powered.
- Power down the load prior to installation.
- Only qualified personnel should install CTs on live circuits. If the CT is installed on a live circuit, it must be connected to the monitoring module or the leads must be shorted to avoid damaging the CT.
- Position the CT on the conductor such that the white dot on the CT (red/black wires) or the shiny side (white/black wires) is pointing toward the source end of the wire and away from the load as shown in the diagram below (see figure 1).

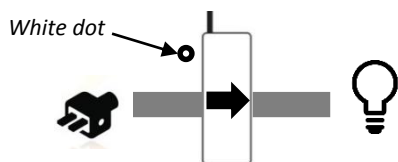


Figure 1: CT Orientation

A PHASE			B PHASE			C PHASE		
(+)	IA	(-)	(+)	IB	(-)	(+)	IC	(-)

Figure 2: Wire color polarity