

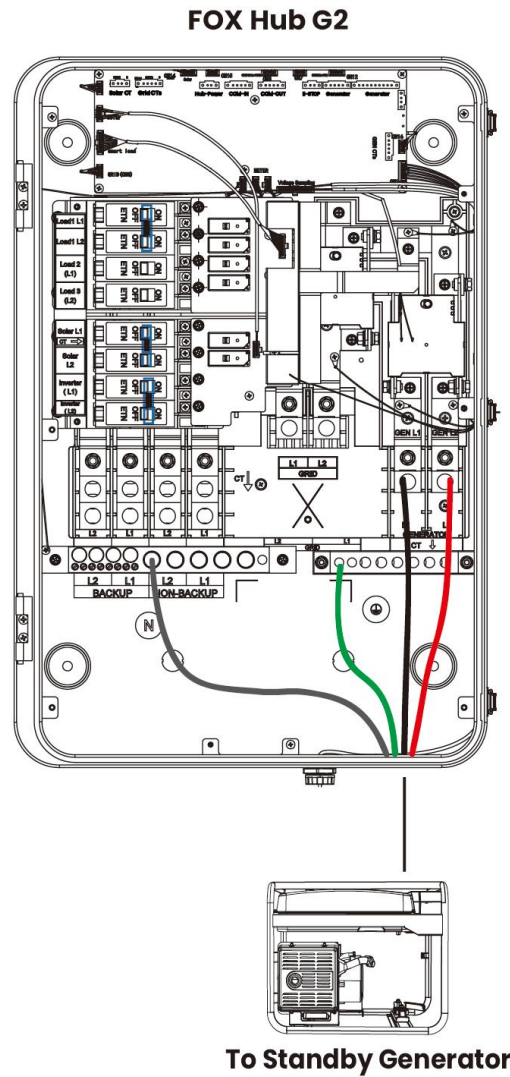


## 1. Preparation

Turn off the inverter and disconnect the grid breaker.

## 2. Power Wiring of Generator

- L1:**  
6 AWG - 250 kcmil  3/4"
- L2:**  
6 AWG - 250 kcmil  3/4"
- N:**  
6 AWG - 250 kcmil  3/4"
- PE:**  
6 AWG - 2/0 AWG  3/4"

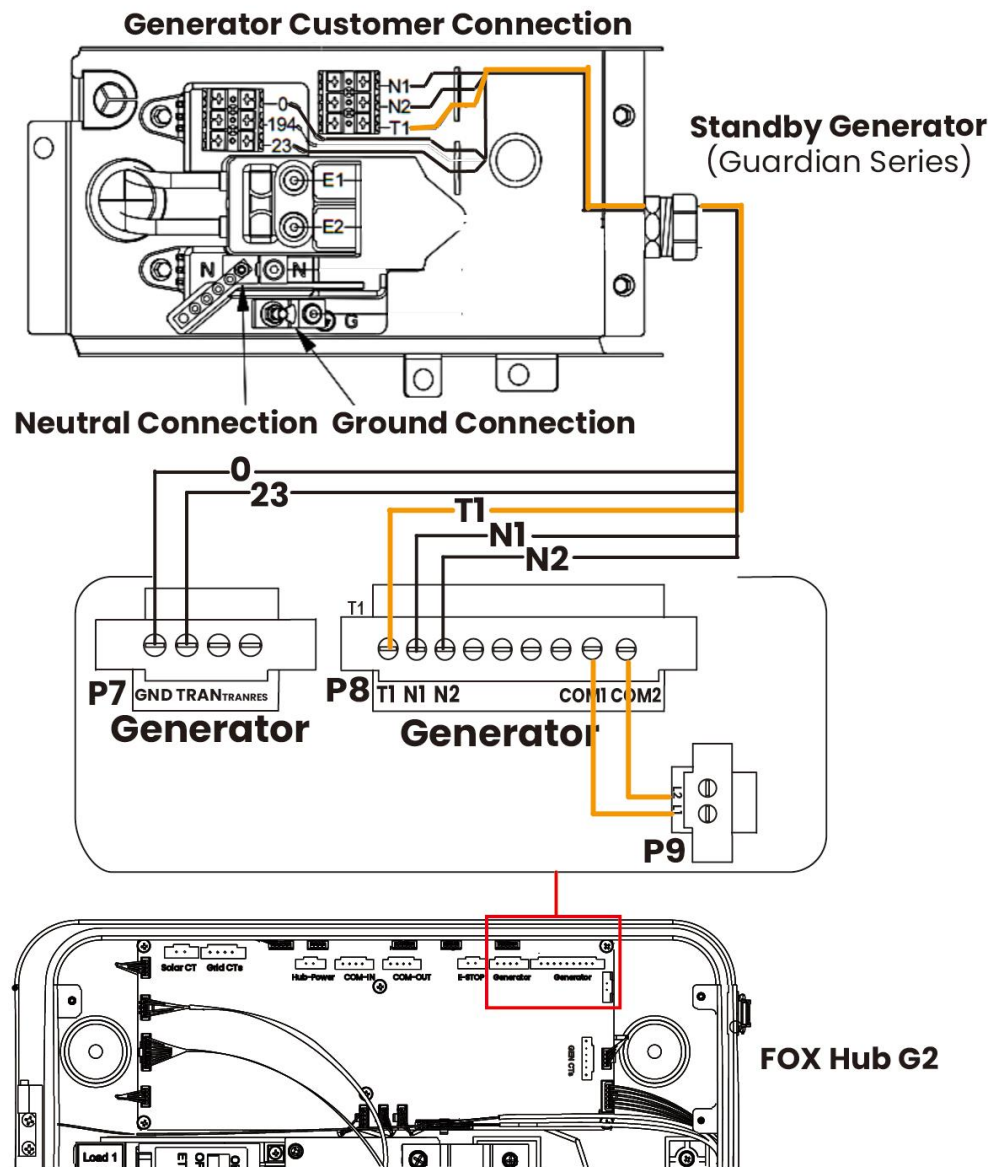


### 3. Communication & Auxiliary Power Wiring

#### (1) Control Types: Utility Voltage Sense

(Guardian Series) Standby Generator

 16 AWG     24-16 AWG



**NOTE:**

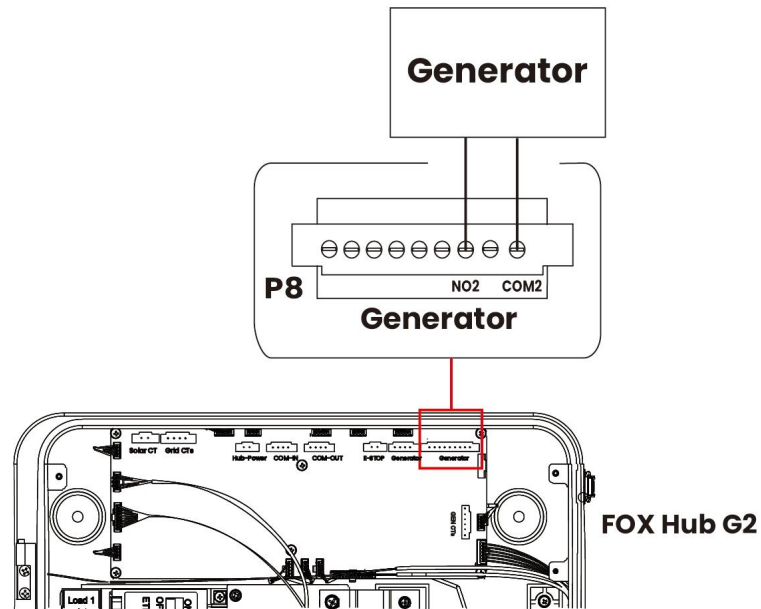
If the generator is connected to the FOX hub G2, the system needs to include batteries.

## (2) Control Types: Two-wire Dry Contact

(EcoGen Series) Standby Generator

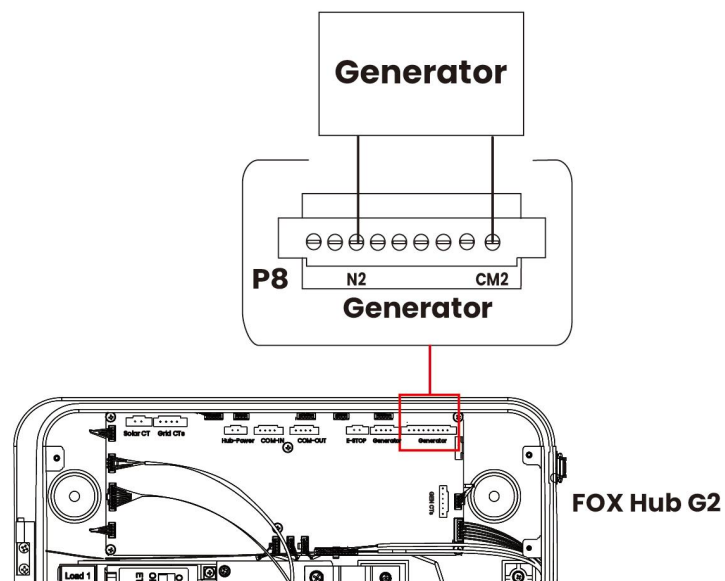
- ① Dry contact normally open generator (Start: Switch close)

24-16 AWG



- ② Dry contact normally closed generator (Start: Switch open)

24-16 AWG





① Providing 120VAC

The diagram illustrates the internal layout of the ETN system. Key components and connections include:

- Power Source (P9):** A terminal block at the top right, labeled "P9", with a red line indicating a connection "To L1 or L2".
- Generator:** A large rectangular component on the right side, labeled "Generator".
- ETN Unit:** A central rectangular component labeled "ETN".
- Backups:** A row of components at the bottom labeled "BACKUP" and "NON-BACKUP".
- Other Components:** Various modules are labeled, including "Laser 1.1", "Laser 1.2", "Laser 1.3", "Laser 1.4", "Laser 1.5", "Laser 1.6", "Laser 1.7", "Laser 1.8", "Laser 1.9", "Laser 1.10", "Laser 1.11", "Laser 1.12", "Laser 1.13", "Laser 1.14", "Laser 1.15", "Laser 1.16", "Laser 1.17", "Laser 1.18", "Laser 1.19", "Laser 1.20", "Laser 1.21", "Laser 1.22", "Laser 1.23", "Laser 1.24", "Laser 1.25", "Laser 1.26", "Laser 1.27", "Laser 1.28", "Laser 1.29", "Laser 1.30", "Laser 1.31", "Laser 1.32", "Laser 1.33", "Laser 1.34", "Laser 1.35", "Laser 1.36", "Laser 1.37", "Laser 1.38", "Laser 1.39", "Laser 1.40", "Laser 1.41", "Laser 1.42", "Laser 1.43", "Laser 1.44", "Laser 1.45", "Laser 1.46", "Laser 1.47", "Laser 1.48", "Laser 1.49", "Laser 1.50", "Laser 1.51", "Laser 1.52", "Laser 1.53", "Laser 1.54", "Laser 1.55", "Laser 1.56", "Laser 1.57", "Laser 1.58", "Laser 1.59", "Laser 1.60", "Laser 1.61", "Laser 1.62", "Laser 1.63", "Laser 1.64", "Laser 1.65", "Laser 1.66", "Laser 1.67", "Laser 1.68", "Laser 1.69", "Laser 1.70", "Laser 1.71", "Laser 1.72", "Laser 1.73", "Laser 1.74", "Laser 1.75", "Laser 1.76", "Laser 1.77", "Laser 1.78", "Laser 1.79", "Laser 1.80", "Laser 1.81", "Laser 1.82", "Laser 1.83", "Laser 1.84", "Laser 1.85", "Laser 1.86", "Laser 1.87", "Laser 1.88", "Laser 1.89", "Laser 1.90", "Laser 1.91", "Laser 1.92", "Laser 1.93", "Laser 1.94", "Laser 1.95", "Laser 1.96", "Laser 1.97", "Laser 1.98", "Laser 1.99", "Laser 1.100".

② Providing 240VAC

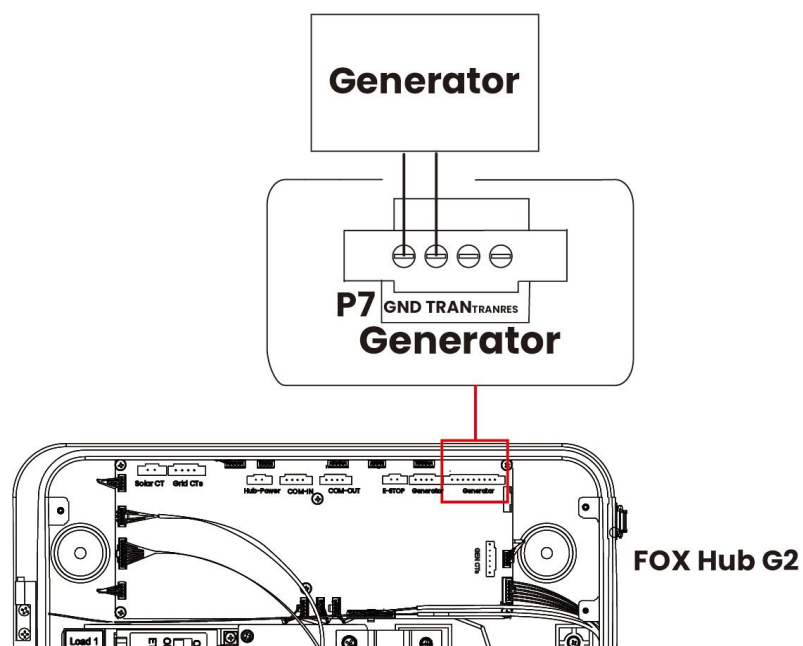
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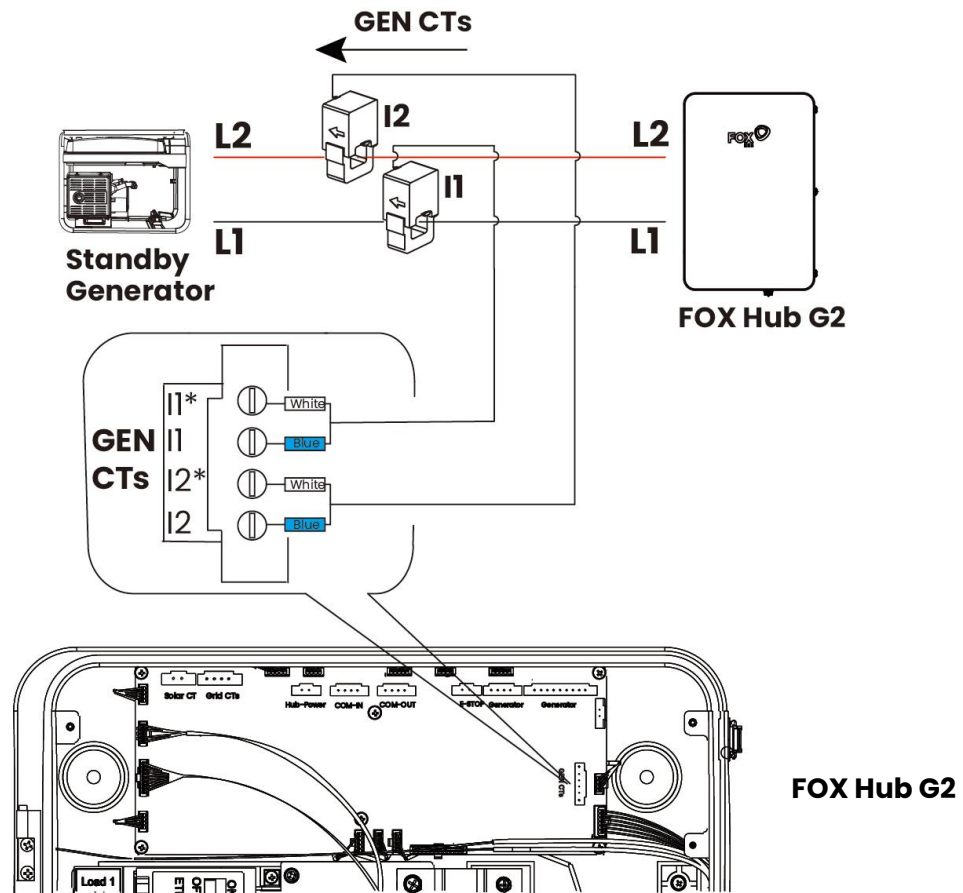
**NOTE:**

If there is a TRANSFER signal,

**24-16 AWG**



#### 4. Gen CTs Wiring



**NOTE:**

The GEN CTs are installed in FOX Hub G2.