The schema of Sanctuary's vessel-wide electrical system contains three major divisions, as follows:

1. **AC electrical system** division of the vessel includes:
   - 120V Shore Power inlet connections
   - AC Generator (Genset)
   - Generator Transfer Switch
   - AC Branch Circuit Distribution Panel(s)
   - Galvanic Isolator

2. **DC electrical system** division of the vessel includes:
   - Battery Bank
   - Propulsion Engine Alternator
   - DC Branch Circuit Distribution Panels
   - Individual Component Attachments (Thrusters, Windlass, Autopilot, Entertainment, Inverter/Charger, etc)

3. **Power Conversion Interface** of the vessel includes:
   - Magnum MS2012 Pure Sine Wave Inverter/Charger