m/v SANCTUARY
DC Power Distribution System

Propulsion Engine
- Balmar Alternator
- Engine Controls and Instrumentation
- Starter Motor
- Starter Solenoid
- Ign Switched +12VDC

Battery 1
- Battery Monitor Shunt
- Remote Sense
- BatteryLink B ACR A

Battery 2

38mm²

70 Amp 3b
#1 AWG

1-0 AWG
6 AWG
0 AWG
70 Amp cb

1-0 AWG
2-0 AWG
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1-0 AWG

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30A DC Battery Charger

Newmar AC/DC-1 Panel**
Feed: Top of Buss
Feed: Bottom of Buss

Blue Sea Systems Weatherdeck™ Panel
Feed: Flybridge
Feed: Inverter

* See Engine Instrument Harness and Engine Sensor Connections wiring diagram for details.

** See diagram of Newmar Panel for Panel and branch circuit connection details.

Branch Circuit Ground Attachment Point
Detail: Xantrex Link 20\textsuperscript{tm} Shunt and Control Wiring - Engine Room

- **BLACK**: DC Ground
- **RED**: +12VDC nominal (1.0 Amp inline fuse)
- **BLUE**: Voltage Sensing line for Battery 1 Supply Buss (1.0 Amp inline fuse)
- **PURPLE**: Voltage Sensing line for Battery 2 Supply Buss (1.0 Amp inline fuse)
- **GREEN**, **ORANGE**, **BROWN**, **YELLOW**: Current Sensing pair - Battery 1
- **GREEN**: Current Sensing pair - Battery 2
- **HOUSE**: House Ground

\textbf{OBSOLETE}