Connected to shore power

Shore Power

Inverter / Charger

Breakers Panel (120V)

Under-hood Generator

Battery Disconnect

Fuses Panel (12V)

Coach Battery
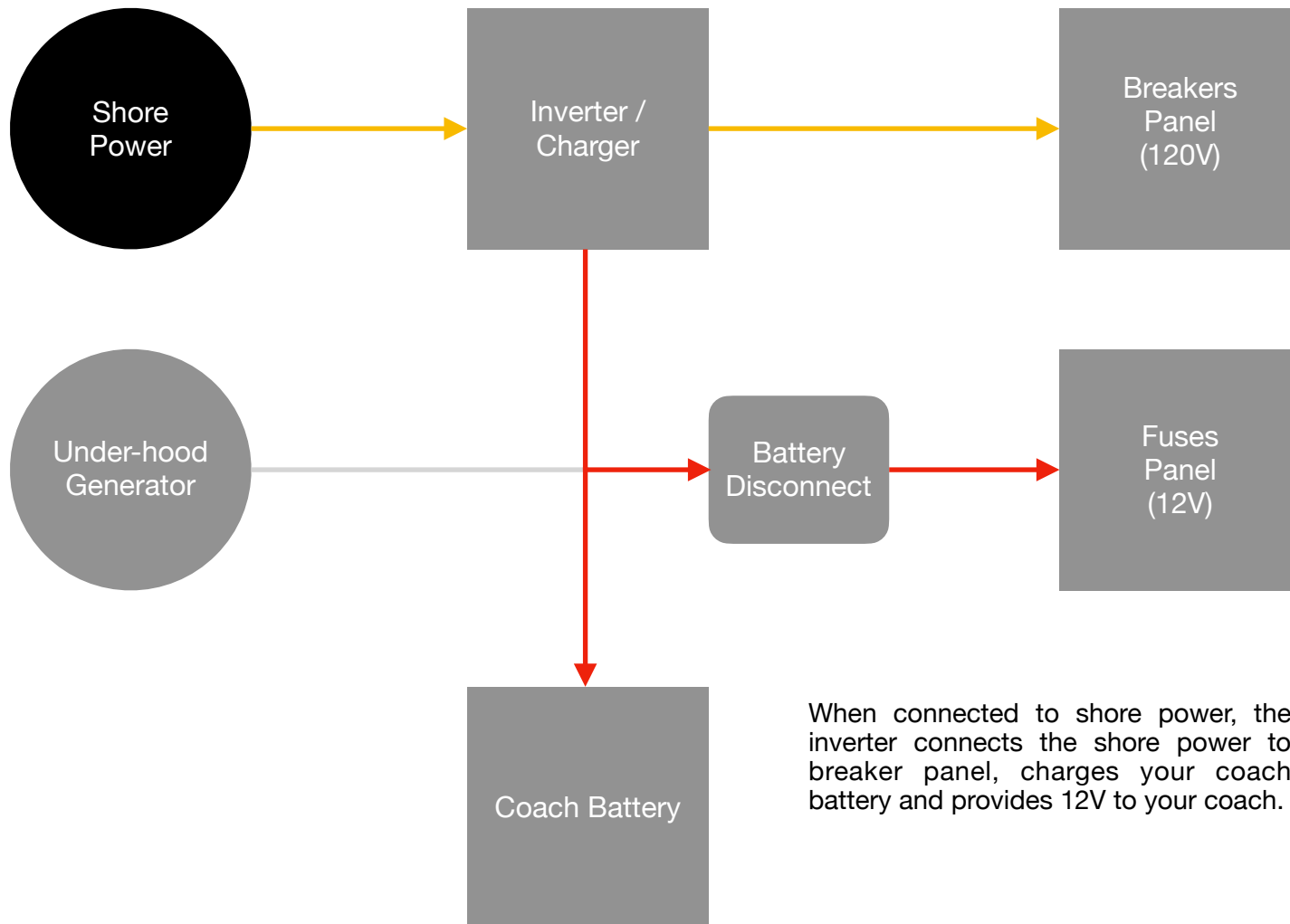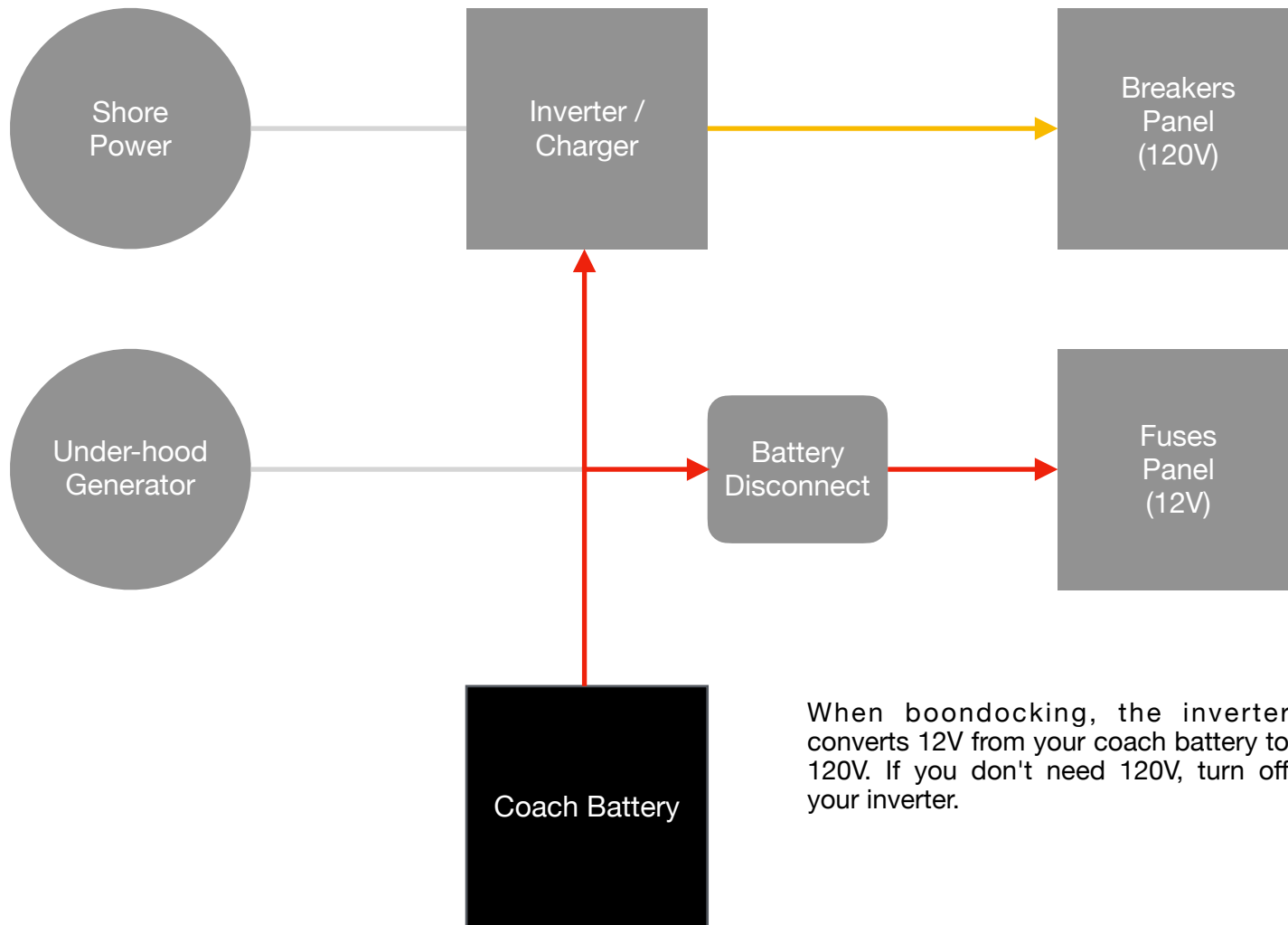
When connected to shore power, the inverter connects the shore power to breaker panel, charges your coach battery and provides 12V to your coach.

Boondocking

Shore Power

Inverter / Charger

Breakers Panel (120V)

Under-hood Generator

Battery Disconnect

Fuses Panel (12V)

Coach Battery

When boondocking, the inverter converts 12V from your coach battery to 120V. If you don't need 120V, turn off your inverter.

Engine running

Shore Power

Inverter / Charger

Breakers Panel (120V)

Under-hood Generator

Battery Disconnect

Fuses Panel (12V)

Coach Battery

When engine is running, under-hood generator charges your coach battery, provides 120V (if the inverter is turned on) and provides 12V to your coach.