

Sharpie 12 Volt DC System

AC system

- 30 amp shore power inlet (adapter to plug in extension cord)
- 30 amp shore power breaker
- Xantrex Freedom HF 1800 Watt inverter/40 amp 12 volt charger (modified sine wave output)
- Owner choice as far as numbers and locations of 115 volt convenience outlets or use outlets on inverter

DC system

- Four Trojan T-125 six volt wet cell lead acid golf cart batteries or equivalent (total 480 amp hours)
- Battery disconnect switch
- Separate disconnect/slash breaker for inverter DC power supply
- DC panel with appropriate number of breakers for intended loads

Notes

- System based on approximately ≤ 240 amp hour consumption for three days and two nights aboard without recharging batteries
- Inverter/charger should allow recharging of batteries in approximately 120 to 240 minutes (depending on depth of discharge)
- Lighting is the largest amp hour consumer calculations assume LED type bulbs for all lights
- Inverter/charger is slightly more expensive than a comparable marine charger of the same output with the benefit of AC current when desired