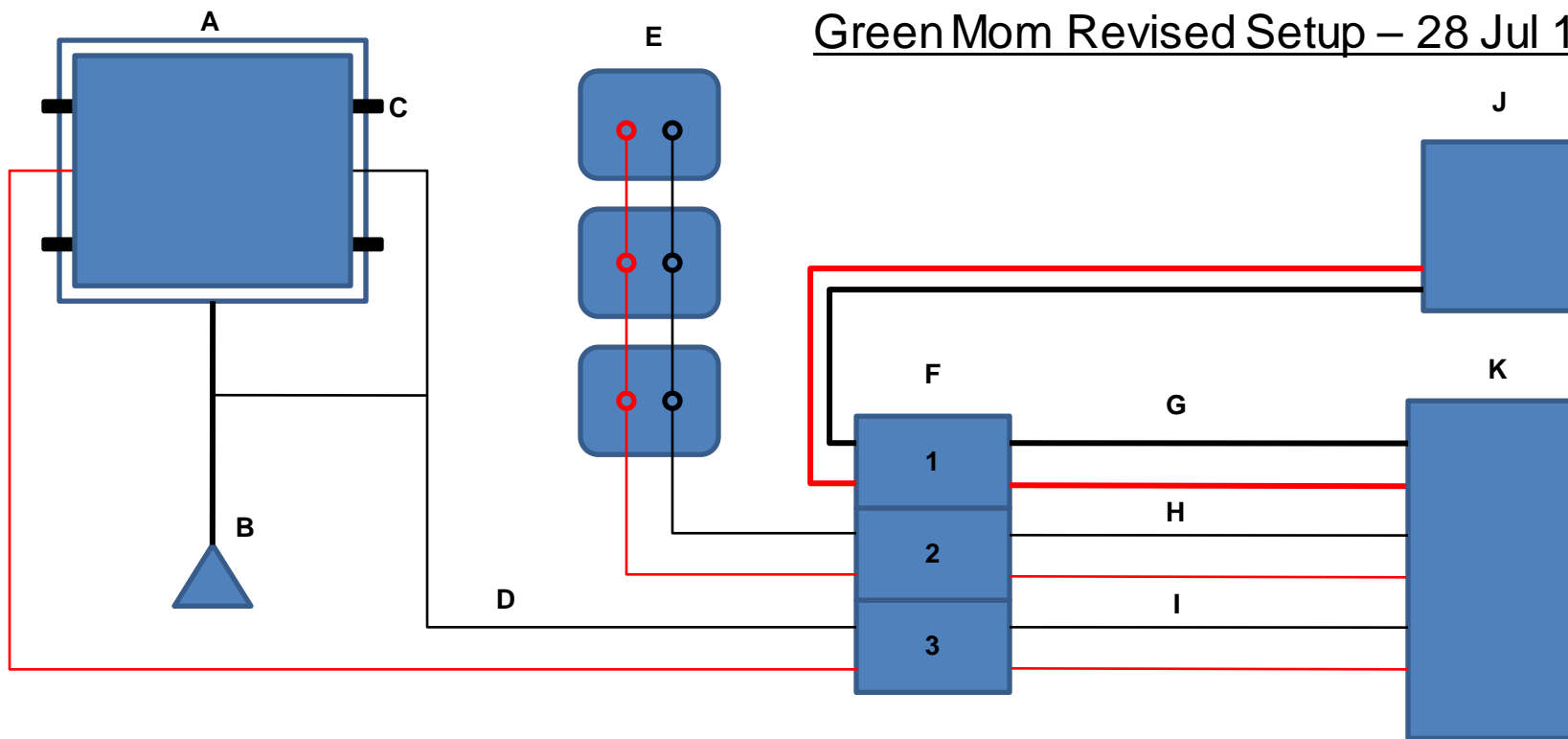


Green Mom Revised Setup – 28 Jul 12



- A. Monocrystalline Solar Panel (100W, 18.5V, 5.42A, Grape Solar).
- B. Solar Panel Frame and DC negative grounded to 8' long 5/8" diameter Ground Rod by an approximate 25' run of 8AWG Ground Wire connected by 5/8" Ground Rod Clamp. Ground Rod buried horizontally at 30" depth due to shallow rock bed.
- C. Single Solar Panel Z-Bracket Roof Mounts (Instapark ZJ-02).
- D. Solar Panel connected to Small Breaker Box position 3 with an approximate 20' run of 10AWG Wire with MC4 Connectors on Panel Side.
- E. 3 x Batteries wired in parallel for a total of 12V and 105AH, connected to the Small Breaker Box position 2 with an approximate 4' run of 10AWG Wire (Non-spillable SLA, 12V, 35AH, Universal Battery UB12350).
- F. Small Breaker Box (MidNite Solar Baby Box MNBABYBOX) containing 63A 150V Breaker at position 1, and 10A 150V Breakers at positions 2 and 3 (MidNite Solar MNEPV DIN Breakers MNEPV-10 & MNEPV-63).
- G. Solar Charge Controller connected to Small Breaker Box position 1 by approximate 1' run of 8AWG Wire.
- H. Solar Charge Controller connected to Small Breaker Box position 2 by approximate 1' run of 10AWG Wire.
- I. Solar Charge Controller connected to Small Breaker Box position 3 by approximate 1' run of 10AWG Wire.
- J. Inverter connected to Small Breaker Box position 1 by approximate 2' run of 8AWG Wire (12V Input, 120V Output, 400W Normal, 800W Surge, Cobra CPI 480).
- K. PWM Solar Charge Controller (12V or 24V, 10A, 150W, HQRP).