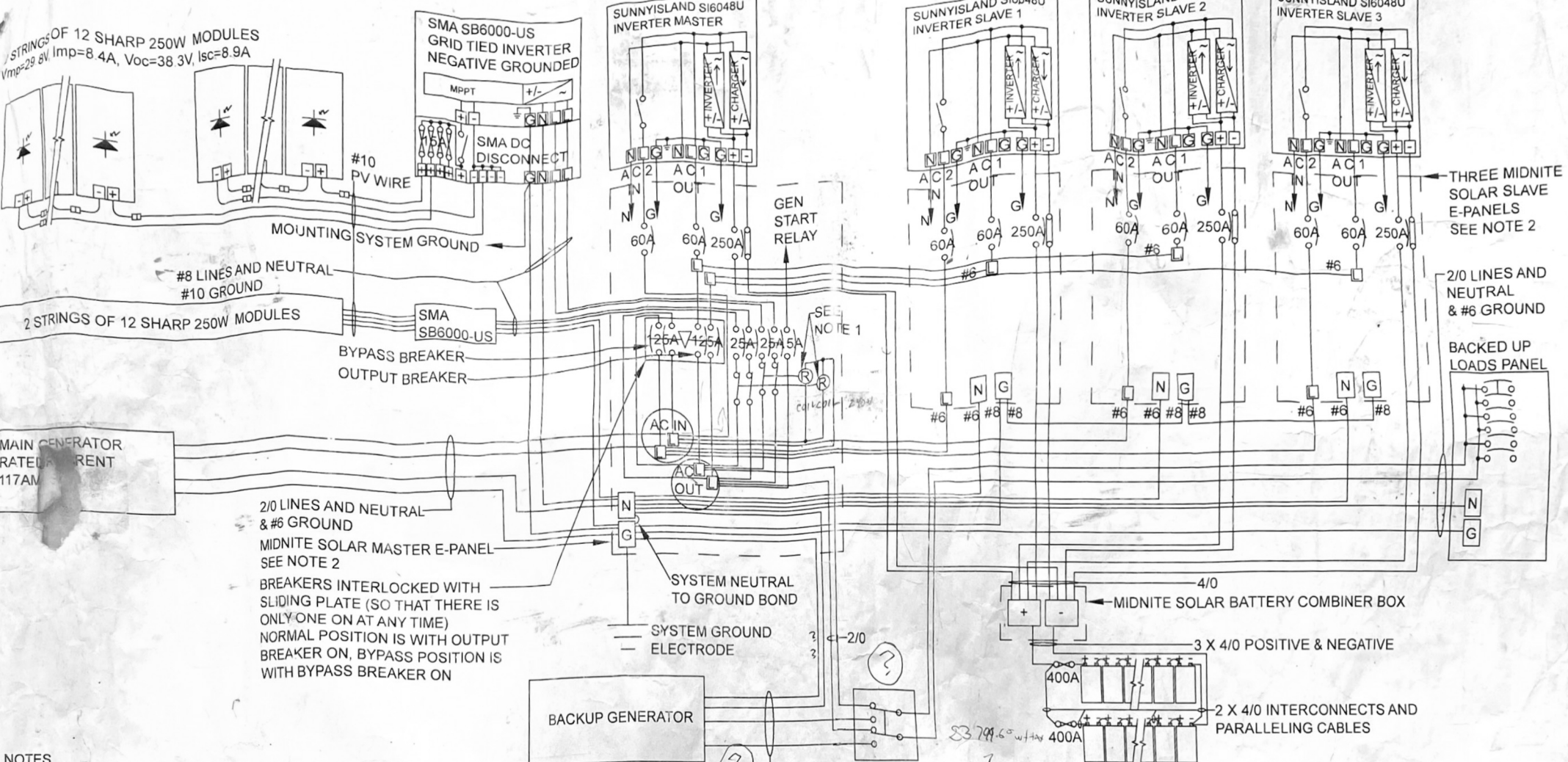


STRINGS OF 12 SHARP 250W MODULES  
 $V_{mp}=29.8V$ ,  $I_{mp}=8.4A$ ,  $V_{oc}=38.3V$ ,  $I_{sc}=8.9A$



- NOTES
1. TWO RELAYS TO DISCONNECT THE GRID TIED INVERTERS WHEN GENERATOR IS RUNNING. RELAYS ARE GRAINGER 6CUT5, 40A DPDT 240V.
  2. ALL CIRCUITBREAKERS IN THE MIDNITE PANELS ARE 100% RATED

2/0 LINES AND NEUTRAL & #6 GROUND  
 MIDNITE SOLAR MASTER E-PANEL  
 SEE NOTE 2

BREAKERS INTERLOCKED WITH SLIDING PLATE (SO THAT THERE IS ONLY ONE ON AT ANY TIME)  
 NORMAL POSITION IS WITH OUTPUT BREAKER ON, BYPASS POSITION IS WITH BYPASS BREAKER ON

CABLES SIZED TO SUIT THE BACKUP GENERATOR SELECTED

200A MANUAL SELECTOR SWITCH  
 \$3542  
 \$3,323  
 + TAX

TWO 48 VOLT BATTERY BANKS  
 EACH 24 X 1BE 2V 85N-25 1250AH,  
 TOTAL 2500AH

**SOLAR HYBRID DESIGN**  
 SOLAR HYBRID DESIGN, LLC HEADQUARTERS CALIFORNIA 95448 PHONE (707) 322 3919  
The drawing is based on our understanding of the information supplied, the equipment used and current code requirements. Subject to revision based on actual conditions, applicable codes and any requirements of authorities having jurisdiction. Copyright 2013.

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DRAWING NAME  
**POWER SYSTEM LINE DIAGRAM**

SCALE NONE DATE 12/12/2013 NO 1/2  
 DRAWN BY ROBERT SETON REV 4