FOR SHORT CABLE LENGTHS USE CAT5 CABLE WITH D+(2) & D-(7) USING ONE TWISTED PAIR AND ANOTHER TWISTED PAIR FOR G(5)
FOR LONG RUNS USE SHIELDED TWISTED PAIR INSTRUMENTATION CABLE

TERMINAL BLOCK ADJACENT TO RS485 CARD MOUNTED INSIDE INVERTER

INSERT RS485 TERMINATION JUMPER

SMA WEBBOX

REMOVE JUMPER A FOR THIS CONFIGURATION

J1 A B C

D+ G D- 2 5 7

INVERTER SB6000-US

INVERTER SB6000-US

CAT 5 ETHERNET CABLE TO INTERNET ROUTER, MAX 300 FT

MAKE THIS CABLE BY CUTTING A STANDARD RJ45 ETHERNET CABLE AND CONNECTING AS FOLLOWS:
WHITE WIRE WITH GREEN STRIPE TO TERMINAL 2
ORANGE WIRE WITH WHITE STRIPE TO TERMINAL 5
GREEN WIRE WITH WHITE STRIPE TO TERMINAL 7

SUNNYISLAND SI6048U INVERTER MASTER

BatVtg (48VDC) - + | C NO NC Relay 1 | C NO NC Relay 2 | BatTmp | ComSMAIn (RS485) ComSMAOut | ComSyncIn ComSyncOut

SUNNYISLAND SI6048U INVERTER SLAVE 1

ComSyncIn ComSyncOut

SUNNYISLAND SI6048U INVERTER SLAVE 2

ComSyncIn ComSyncOut

SUNNYISLAND SI6048U INVERTER SLAVE 3

ComSyncIn ComSyncOut

BLACK RJ45 CABLE

BLACK RJ45 CABLE

BLACK RJ45 CABLE

TERMINATORS

120VAC

N

SMA BATTERY TEMPERATURE SENSOR

MAIN GENERATOR

2 WIRE START CIRCUIT

Wht/Yel Common | Wht /Blu LV | Wht/Blk 120Vac

R

OFF

MAN AUTO

Or

Or

RIBU1S CONTROL RELAY & SWITCH FOR GENERATOR CONTROL

NOTES
1. SET THE TWO SB6000-US INVERTERS TO "OFF GRID" MODE USING A LAPTOP CONNECTED TO THE WEBBOX USING THE SUPPLIED RJ45 CROSSOVER CABLE. (ANY STANDARD CABLE OR CROSSOVER CABLE CAN BE USED WITH A N APPLE LAPTOP)

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PROJECT

DRAWING NAME
DATA CONNECTIONS LINE DIAGRAM

SCALE NONE | DATE 12/12/2013 | NO 2/2

DRAWN BY ROBERT SETON | REV 4