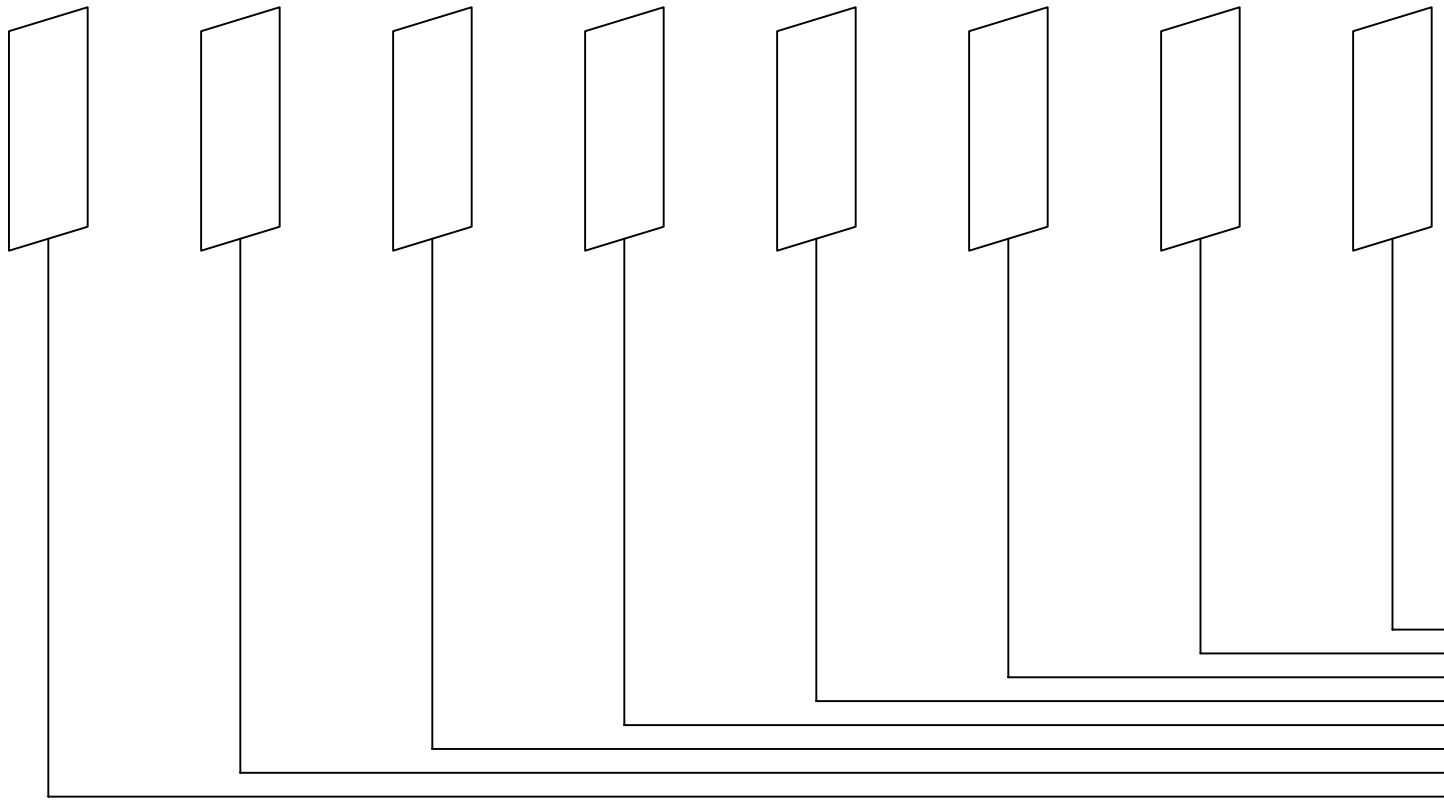
SOLAR ARRAY



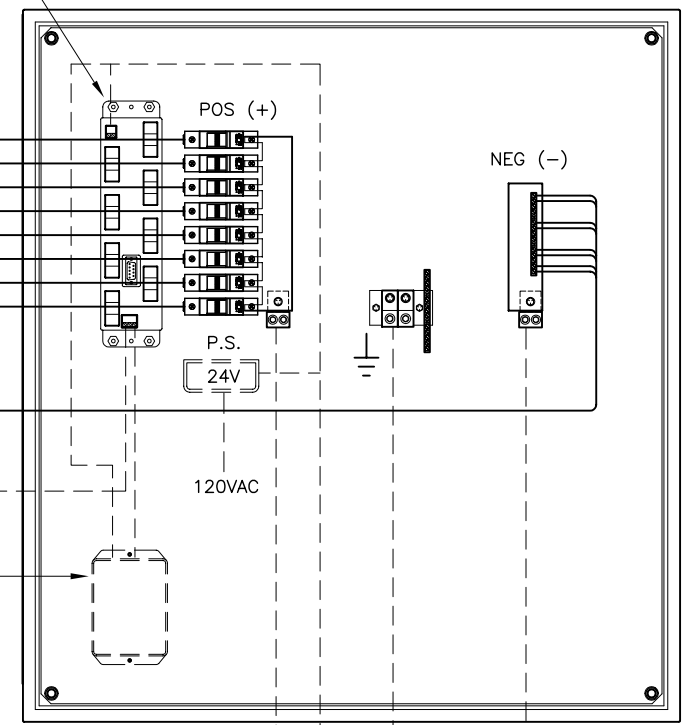
OBVIUS
MODEL: A89DC-08

SOLAR CURRENT MONITOR WITH
MODBUS RTU COMMUNICATIONS
DAISY CHAIN UP TO 32 SCMs
CONSUMES 382mA
VOLTAGE: 24 VDC
8 CHANNELS, @ 50A MAX PER SCM

AMtec SOLAR COMBINER BOX

(WITH COVER REMOVED)

P/N PROM8M, (8-STRING)
ALSO AVAILABLE IN
16, 24 & 32 STRINGS



NEGATIVE BUS
TO ARRAYS

DAISY CHAIN UP TO 32 MODBUS
SLAVES TO RS485 TERMINAL BLOCK

* RS485 (2C TSP)

OR

OBVIUS
MODEL: R9120-3T

TRANSMIT WIRELESS DATA VIA MODHOPPER
WIRELESS MODBUS/PULSE TRANSCEIVER.
CONSUMES 200mA, VOLTAGE 9 TO 30VDC
UP TO 32 MODBUS DEVICE AND
2 PULSE DEVICES **(OPTIONAL).**

* RECOMENDED BELDEN 1120A OR EQUAL.

24VDC POWER
(CUSTOMER SUPPLIED)

POWER SUPPLY AVAILABLE INSIDE
COMBINER BOX UPON REQUEST

TO INVERTER
- POS (+)
- GND
- NEG (−)

REV.	DESCRIPTION	BY	CHK'D	APPVD	DATE
0	ISSUED FOR INSTALLATION	RE	TW	JS	06/18/09

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS ± 1/64 | DECIMALS .01 ± .015 ± | ANGLES ± 1°
MACHINED SURFACES DEBURR & BREAK SHARP EDGES
MATERIAL
FINISH

DWG. FILE No. N/A
SCALE: NONE

	BY	DATE
DESIGNED	RE	06/18/09
DRAWN	RE	06/18/09
CHECKED	JS	06/18/09
APPROVED	JS	06/18/09
CLIENT APPV'L		
CLIENT APPV'L		

PROJECT: AMtec SOLAR WITH OBVIUS MONITORING
ENGINEER
CLIENT:

AMtec INDUSTRIES, INC.
2501 INDUSTRIAL PARKWAY WEST
HAYWARD, CA. 94545
(510)887-2289

TITLE: INTERCONNECTION WIRING DIAGRAM
DRAWING No. PT169-D-001
SHEET 1 OF 1
REVISION 0