SOLAR METER SOCKET CONNECTIONS

120V INVERTER
2 WIRE SOCKET

TO INVERTER
HOT

TO BREAKER
UTILITY FEED
NEUTRAL

240V INVERTER
3 WIRE SOCKET

HOT TO INVERTER

-240-

TO BREAKER
UTILITY FEED
NEUTRAL

NO NEUTRAL REQUIRED

208V INVERTER
5 TERM SOCKET
(2 PHASES FROM A THREE PHASE TRANSFORMER)

HOT TO INVERTER

-208-

TO BREAKER
UTILITY FEED

ISOLATED NEUTRAL TO PANEL

120/208V INVERTER
3 PHASE
7 TERM SOCKET

3 TO INVERTER
HOT

2 TO INVERTER
HOT

1 TO INVERTER
HOT

NEUTRAL

3 TO BREAKER
UTILITY FEED

2 TO BREAKER
UTILITY FEED

1 TO BREAKER
UTILITY FEED

THE FOLLOWING CONDITIONS APPLY:
1. ALL SOCKET LOCATIONS OUTSIDE UNLESS INSIDE MAIN METER ROOM.
2. ALL GROUNDING COMPLETELY VISABLE AT SOCKET.
3. GROUND TO GROUND ROD IN ISOLATED LOCATIONS.
4. GROUND TO SYSTEM GROUND NEAR METER.
5. NEUTRAL WIRES ISOLATED FROM SOCKET AND GROUND.
6. AC OR DC BREAKER BY SOCKET.

ELECTRIC SERVICE REQUIREMENTS

DIAGRAM NO. N/A
GMP STD. NO. N/A
DATE: 7/31/2008
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**SOLAR METER SOCKET CONNECTIONS**

**120V INVERTER / BATTERY BACKUP**
**FORM 12S – 5 TERM SOCKET**

TO INVERTER AC2
AC OUTPUT HOT

TO INVERTER AC1
INPUT HOT

NEUTRAL

NEUTRAL

TO BREAKER
UTILITY FEED

IN POWER OUTAGE, AC1 IS DISCONNECTED BY ELECTRONIC BREAKER AND UTILITY IS ISOLATED FROM GENERATION. DISPLAY ON METER IS NOW OFF AND NO GENERATION IS METERED.

**240V INVERTERS / BATTERY BACKUP**
**5 TERM SOCKET**

**PHASE 1**

TO INVERTER (1) AC2
AC OUTPUT HOT

TO INVERTER (1) AC1
INPUT HOT

INVERTER 1
NEUTRAL

TO BREAKER
UTILITY FEED

120V

**PHASE 2**

TO INVERTER (2) AC2
AC OUTPUT HOT

TO INVERTER (2) AC1
INPUT HOT

INVERTER 2
NEUTRAL

TO BREAKER
UTILITY FEED

240V

ISOLATED FROM NEUTRAL

CRITICAL LOAD

TO CRITICAL LOAD

IN POWER OUTAGE, BOTH AC1’s ARE DISCONNECTED BY ELECTRONIC BREAKER AND UTILITY IS ISOLATED FROM GENERATION. DISPLAY ON METER IS NOW OFF AND NO GENERATION IS METERED.

**THE FOLLOWING CONDITIONS APPLY:**
1. ALL SOCKET LOCATIONS OUTSIDE UNLESS INSIDE MAIN METER ROOM.
2. ALL GROUNDING COMPLETELY VISIBLE AT SOCKET.
3. GROUND TO GROUND ROD IN ISOLATED LOCATIONS.
4. GROUND TO SYSTEM GROUND NEAR METER.
5. NEUTRAL WIRES ISOLATED FROM SOCKET AND GROUND.
6. AC OR DC BREAKER BY SOCKET.