AFRICAN ENERGY D3R “LARGE KIT” SYSTEM
CLASSIC 150 MPPT CONTROLLER
ONE GFX 1448 INVERTER

PV PLUS BUS
BATTERY POSITIVE BUS
AC HOT IN
NEUTRAL
AC HOT OUT
EARTH/GROUND

SPD 300
SPD 300
UTILITY OUTLET
NORMAL BYPASS
INVERTER MAIN BREAKER
125 AMP MNEDC125

BATTERY 48 V

TYPICAL ARRAY

PV COMBINED PLUS
TYPICAL COMBINER BOX MNPV6 2 OF 6 STRINGS SHOWN

PV PLUS NEG
PV NEG

SPD 300
SPD 300

BATT NEGATIVE AND CURRENT SHUNT

DRAWN BY T. CARPENTER 6/6/13

INVERTER GFX 1448

BATTERY 48 V

6V 6V 6V 6V
6V 6V 6V 6V
6V 6V 6V 6V

TYPICAL ARRAY

INVERTER GFX 1448

BATTERY 48 V

6V 6V 6V 6V
6V 6V 6V 6V
6V 6V 6V 6V

TYPICAL ARRAY