120 VAC LARGE KIT SYSTEM
TWO CLASSIC 200 MPPT
CONTROLLERS ONE VFX3648
INVERTER

BATTERY POSITIVE BUS
AC HOT IN
NEUTRAL
AC HOT OUT

ON
OFF
ON
OFF
ON
OFF

CLASSIC ONE

63 A

CLASSIC TWO

63 A

15 A

600 V

COMBINER BOX
MNPV12 (FUSES)
4 OF 8 STRINGS SHOWN

AC IN
AC OUT
INVERTER
NEUTRAL
NEUTRAL
GROUND
GROUND

OUTPUT SWITCH
50 A

BYPASS SWITCH
BYPASS
NORMAL
50 A

15 A

50 A

AA/C INPUT
UTILITY OUTLET

BATTERY
POSITIVE BUS

BATT NEGATIVE
AND CURRENT SHUNT

VFX 3648

50 A

300V

CC IN 1

CC OUT 1

CC OUT 2

INVERTER MAIN BREAKER 175 AMP

INVERTER

15 A

600 V

ARRAY1
ARRAY2

UTILITY OUTLET

GFCI

DRAWN BY TOM CARPENTER 12/20/11

INVERTER

MAIN BREAKER
175 AMP

OUT TO LOADS
20 A

BATTERY 48 V 400AH

4 OF 8 STRINGS SHOWN

TWO CLASSIC 200 MPPT
CONTROLLERS ONE VFX3648
INVERTER

BATTERY POSITIVE BUS
AC HOT IN
NEUTRAL
AC HOT OUT

ON
OFF
ON
OFF
ON
OFF

CLASSIC ONE

63 A

CLASSIC TWO

63 A

15 A

600 V

COMBINER BOX
MNPV12 (FUSES)
4 OF 8 STRINGS SHOWN

AC IN
AC OUT
INVERTER
NEUTRAL
NEUTRAL
GROUND
GROUND

OUTPUT SWITCH
50 A

BYPASS SWITCH
BYPASS
NORMAL
50 A

15 A

50 A

AA/C INPUT
UTILITY OUTLET

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