NOTE: DASHED LINES ARE CUSTOMER CONNECTIONS

RaVolt Battery Unit

RaVolt Unit

CUSTOMER CONNECTIONS SOLAR (PV)

PV Disconnect 2

PV Disconnect 3

PV Disconnect 4

PV Disconnect 5

PV Disconnect 6

PV Disconnect 7

PV1+ PV1− PV2+ PV2− PV3+ PV3−

PV4+ PV4− PV5+ PV5− PV6+ PV6−

03D32 <10, BK>
03D33 <10, BK>
03E30 <10, BK>
03E31 <10, BK>
03E32 <10, BK>
03E33 <10, BK>
03F30 <10, BK>
03F31 <10, BK>
03F32 <10, BK>
03F33 <10, BK>

Sol-Ark (Master)

PIN 8
PIN 7
GEN

Sol-Ark (Secondary)

Generator Two-Wire Start

Generator Trickle Charge

TB1 + Block 1
TB1 N Block 2

Battery Bus Combiner

Battery Bus Combiner

Load Center

240VAC, 1−PHASE, 60HZ TO LOAD

GND
NEUT
L2
L1

CUSTOMER CONNECTIONS OUTPUT TO HOME/LOAD

AC Disconnect

200A

L1
L2

Generator Connection (Only when Grid is also Connected)

240VAC, 1−PHASE, 60HZ UTILITY/GENERATOR SUPPLY

01B20 <3/0, BK>
01B10 <3/0, BK>

−IPLD1
01B20 <1/0, BK>
01B10 <1/0, BK>
−IPLD2

PE <6, G−Y>
N <6, G−Y>
GND

CUSTOMER CONNECTIONS INPUT UTILITY/GENERATOR SUPPLY

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ISS	DATE	DESCRIPTION	DWN	CHK	APR
00	03/01/24	INITIAL RELEASE	GSR		

THIRD ANGLE PROJ

CUSTOMER: Sol−Ark End User Connections
CUST. ORDER NO.:
PA ORDER NO.: 9494−2−2

ELECTRICAL SCHEMATIC
PHOTOVOLTAIC INTERCONNECT WIRING

Confidential Property of RaVolt, LLC

SIZE B | DRAWING/PART NO. 9494−2−2 SCHEM | SHEET 01 | CONT 04