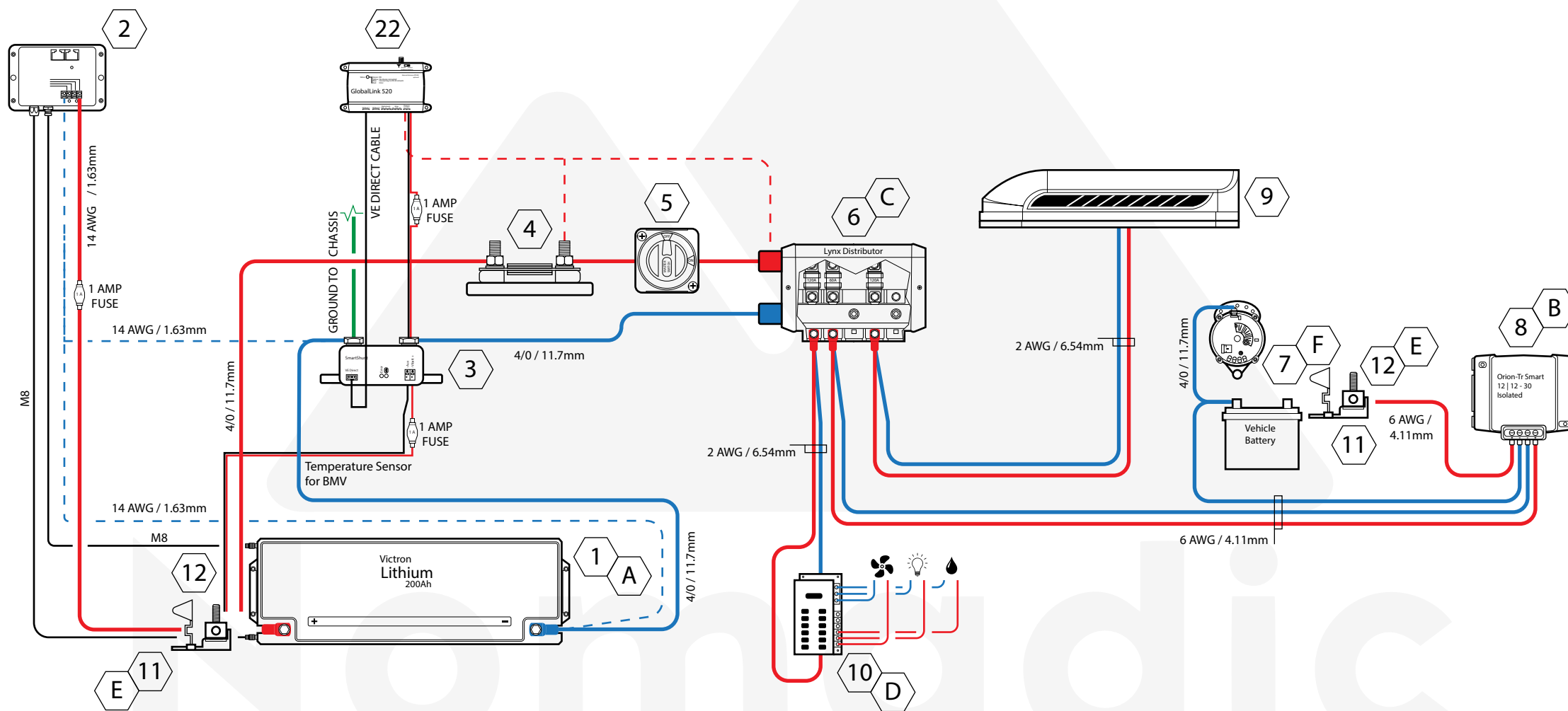


# WANDERER 200ah

## Electrical Wiring Diagram



## WIRING DIAGRAM

# WANDERER 12V 200AH

# A1.1

### LEGEND

- DIRECT CABLE
- POSITIVE
- NEGATIVE
- OPTIONAL PATH POSITIVE
- OPTIONAL PATH NEGATIVE
- GROUND

### NOTES X

- A. Keep all positive and negative battery cables the same length and as short as possible.
- B. ORION TR SMART 12|12 - 30 **will become HOT.** Install in ventilated area.
- C. See sheet A3.1 for detailed diagram.
- D. See sheet A4.1 for detailed diagram.
- E. Fuse block sits on positive (+) terminal post.
- F. See sheet A5.1 for detailed diagram.

### COMPONENTS #

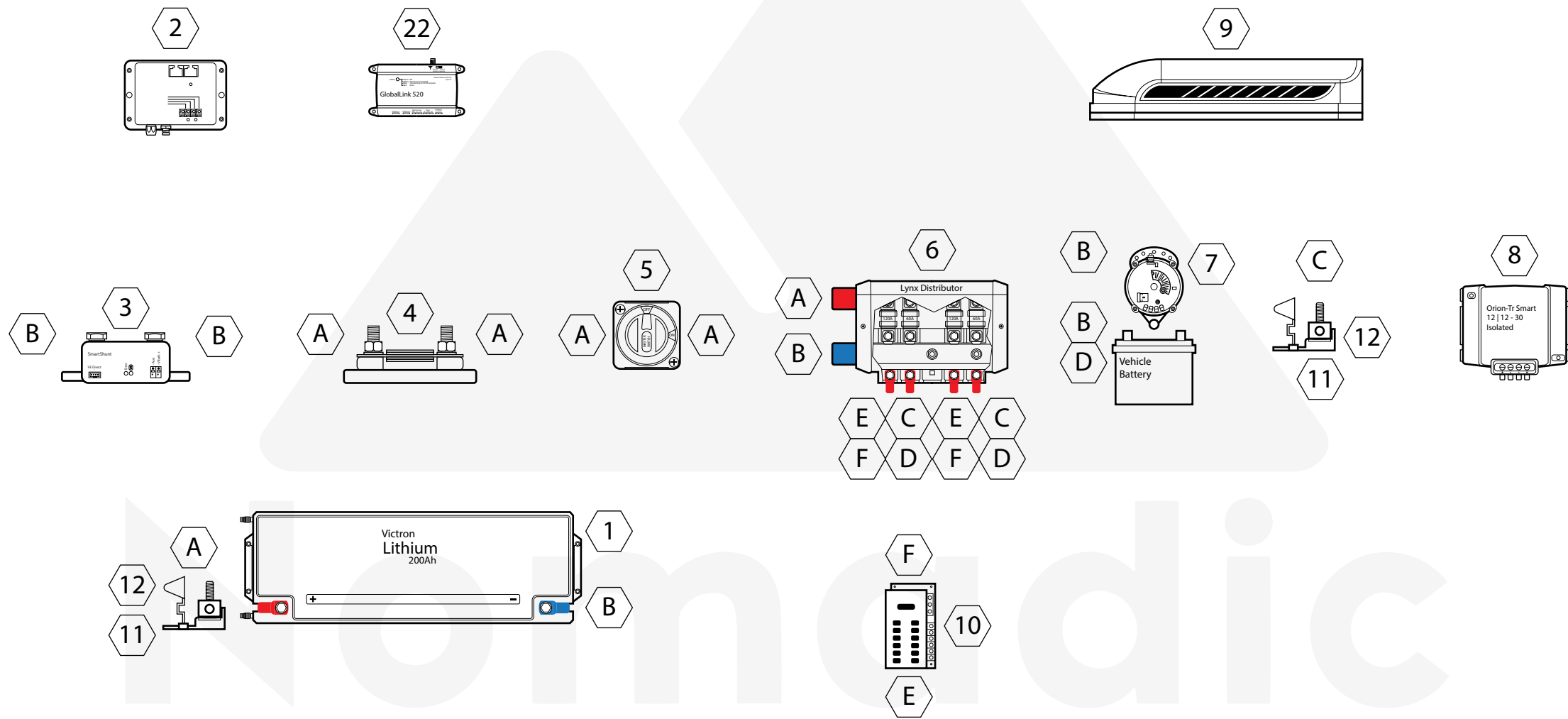
- |                               |  |                                       |                             |
|-------------------------------|--|---------------------------------------|-----------------------------|
| 1. LITHIUM BATTERY            | 5. MASTER SWITCH   | 8. ORION TR SMART 12 12 - 30 ISOLATED | 11. TERMINAL FUSE BLOCK     |
| 2. VE. BUS BMS                | 6. LYNX DISTRIBUTOR  | 9. NOMADIC AC 150 AMP                 | 12. MRBF TERMINAL FUSE 250A |
| 3. SMART SHUNT                | 7. POSITIVE TERMINAL POST STOCK BATTERY / STOCK ALTERNATOR | 10. FUSE BLOCK 120 AMPLIFIER          |                             |
| 4. ANL FUSE BLOCK / FUSE 300A |  |                                       |                             |

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## LUG PLACEMENT

# WANDERER 12V 200AH

# A2.1

### LEGEND

- POSITIVE
- NEGATIVE

### NOTES

- See sheet A3.1 for detailed diagram.

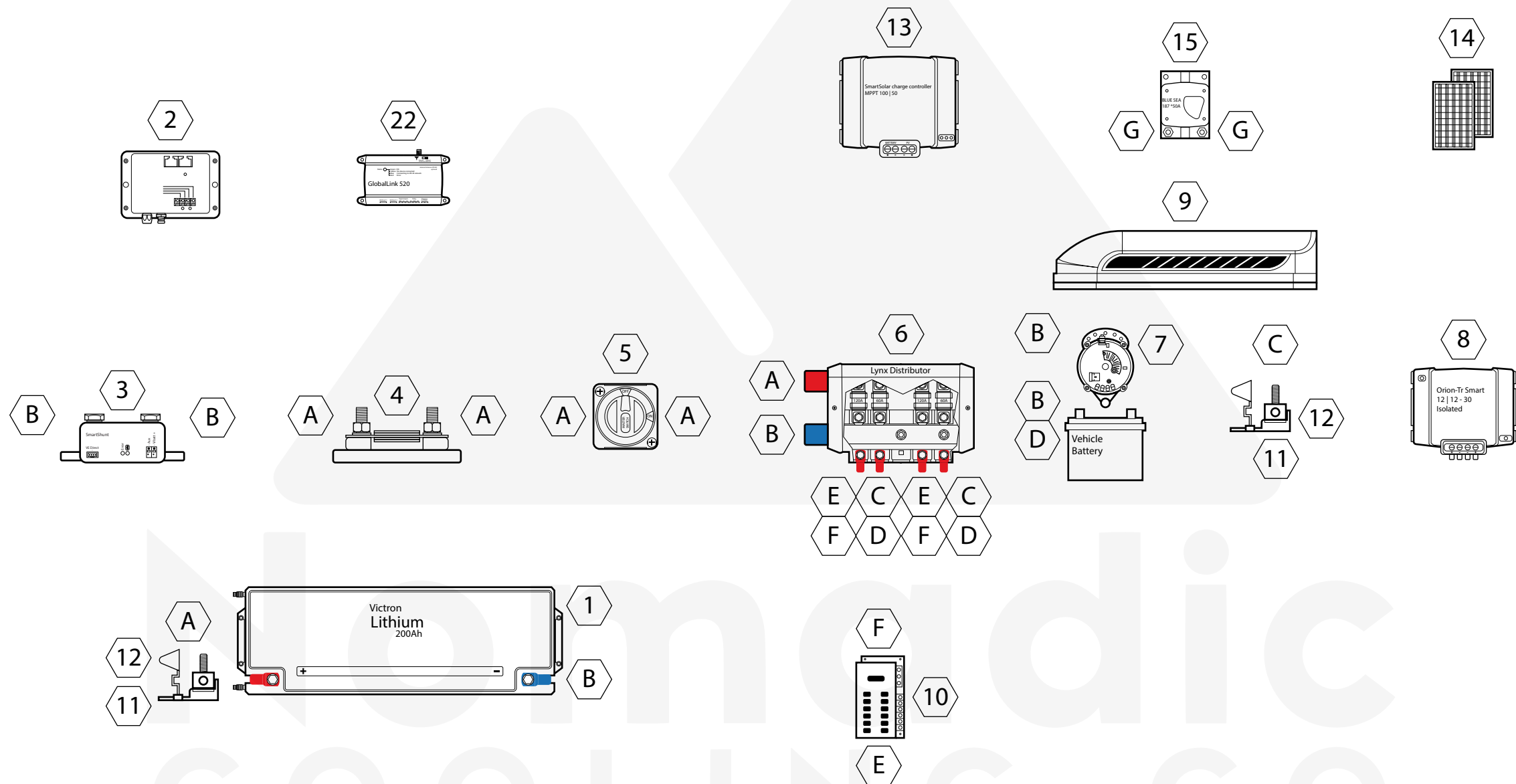
### COMPONENTS

#	COMPONENTS
1.	LITHIUM BATTERY
2.	VE. BUS BMS
3.	SMART SHUNT
4.	ANL FUSE BLOCK / FUSE 300A
5.	MASTER SWITCH
6.	LYNX DISTRIBUTOR
7.	POSITIVE TERMINAL POST STOCK BATTERY / STOCK ALTERNATOR
8.	ORION TR SMART 12 12 - 30 ISOLATED
9.	NOMADIC AC 150 AMP
10.	FUSE BLOCK 120 AMPLIFIER
11.	TERMINAL FUSE BLOCK
12.	MRBF TERMINAL FUSE 250A

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## LUG PLACEMENT

# WANDERER 12V 200AH - SOLAR

# A2.2

## LEGEND



## NOTES

- See sheet A3.2 for detailed diagram.

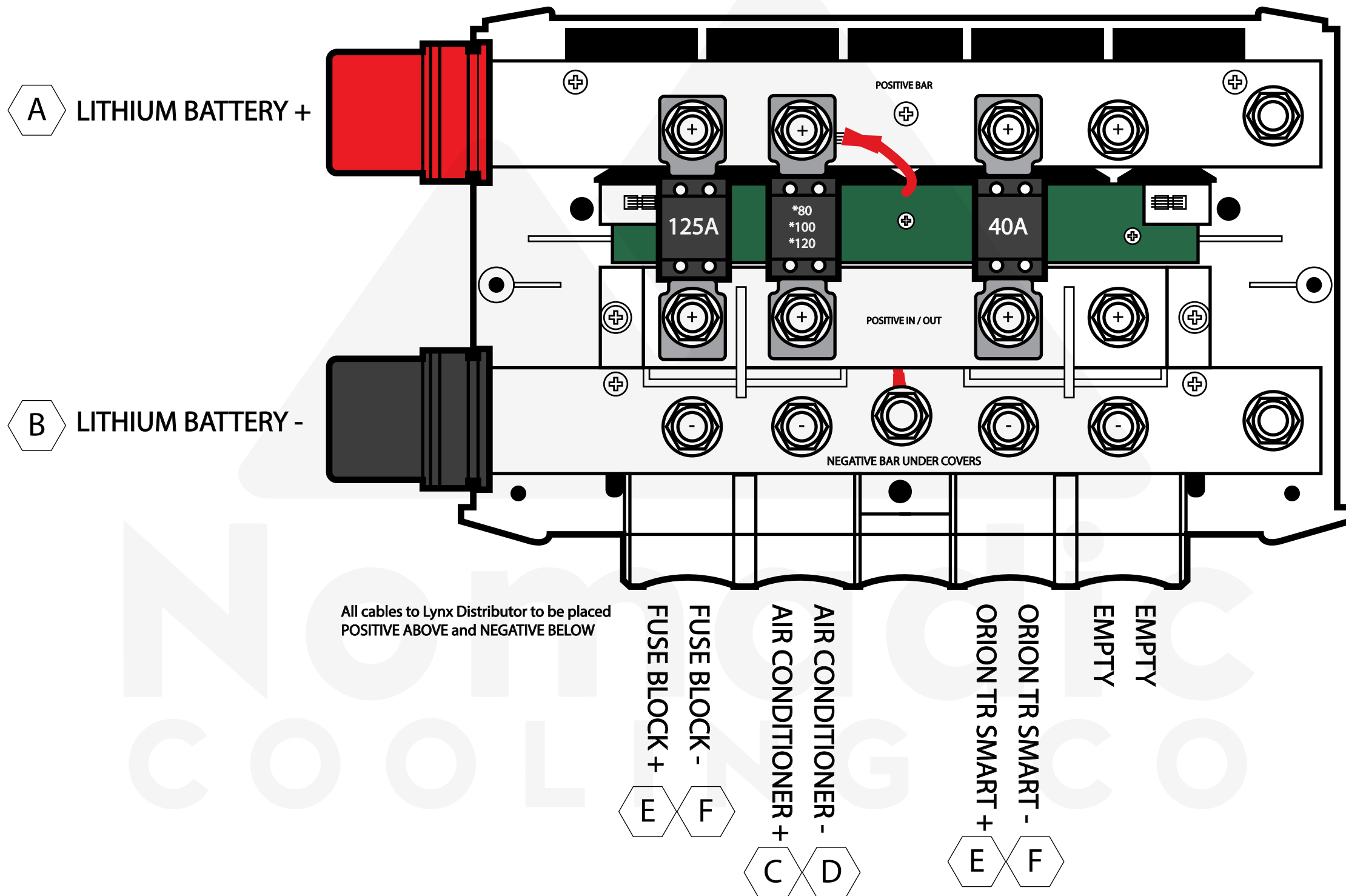
## COMPONENTS

#	COMPONENTS
1.	LITHIUM BATTERY
2.	VE. BUS BMS
3.	SMART SHUNT
4.	ANL FUSE BLOCK / FUSE 300A
5.	MASTER SWITCH
6.	LYNX DISTRIBUTOR
7.	POSITIVE TERMINAL POST STOCK BATTERY / STOCK ALTERNATOR
8.	ORION TR SMART 12 12-30 ISOLATED
9.	NOMADIC AC 150 AMP
10.	FUSE BLOCK 120 AMP LIFIER
11.	TERMINAL FUSE BLOCK
12.	MRBF TERMINAL FUSE 250A
13.	SMART SOLAR MPPT 100   30
14.	SOLAR ARRAY
15.	BLUE SEA 187 *50A

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*AIR CONDITIONER FUSE SIZE 12V UNITS			
AC Model	Mount 187 Breaker	Fuse Size	Qty.
Dometic RTX 1000	80	80	1
Dometic RTX 2000	80	80	1
Indel B OFF	80	80	1
Nomadic X3	120	125	1

**LYNX DISTRIBUTOR**

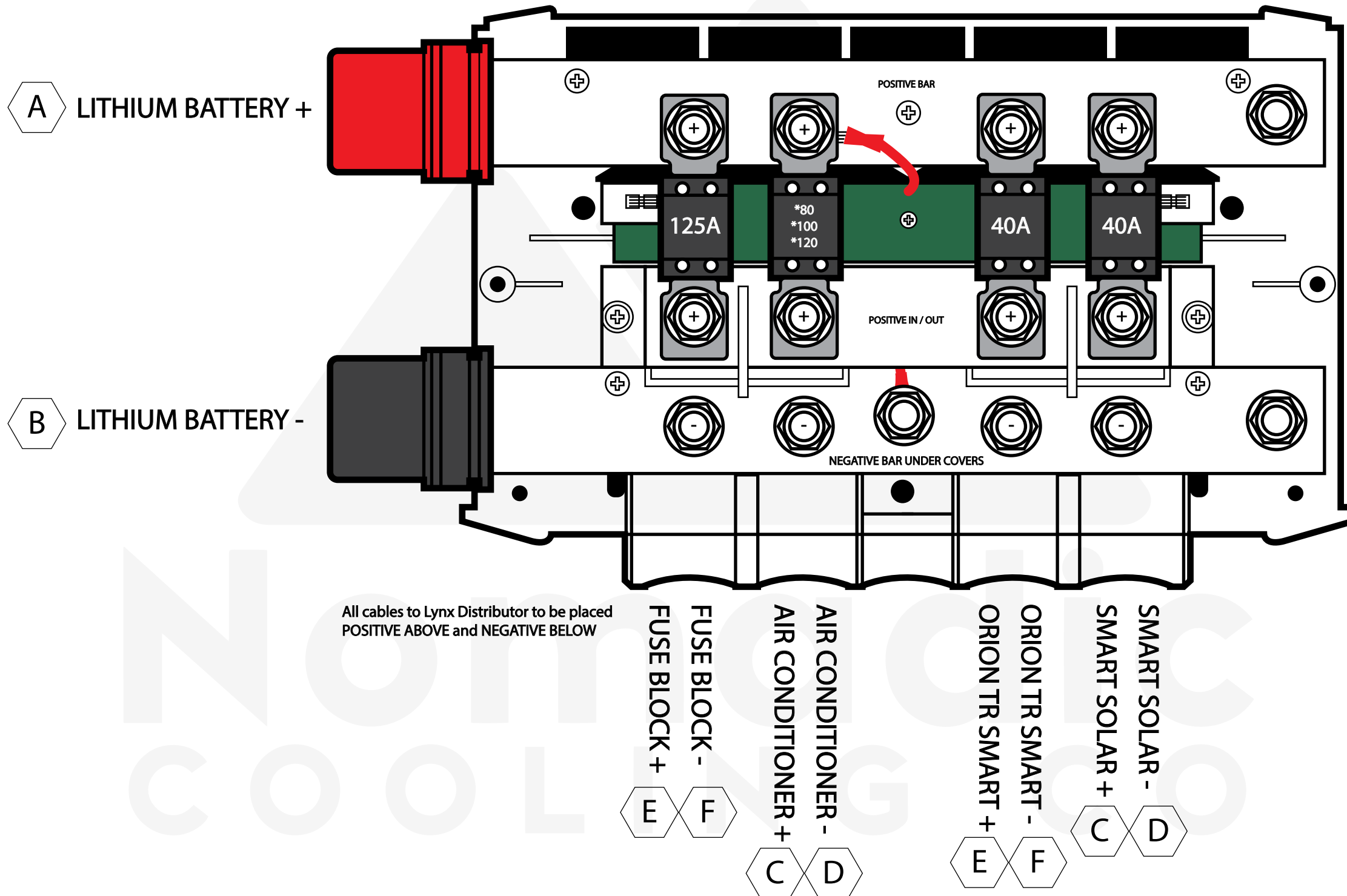
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**WANDERER 12V 200AH**

**A3.1**



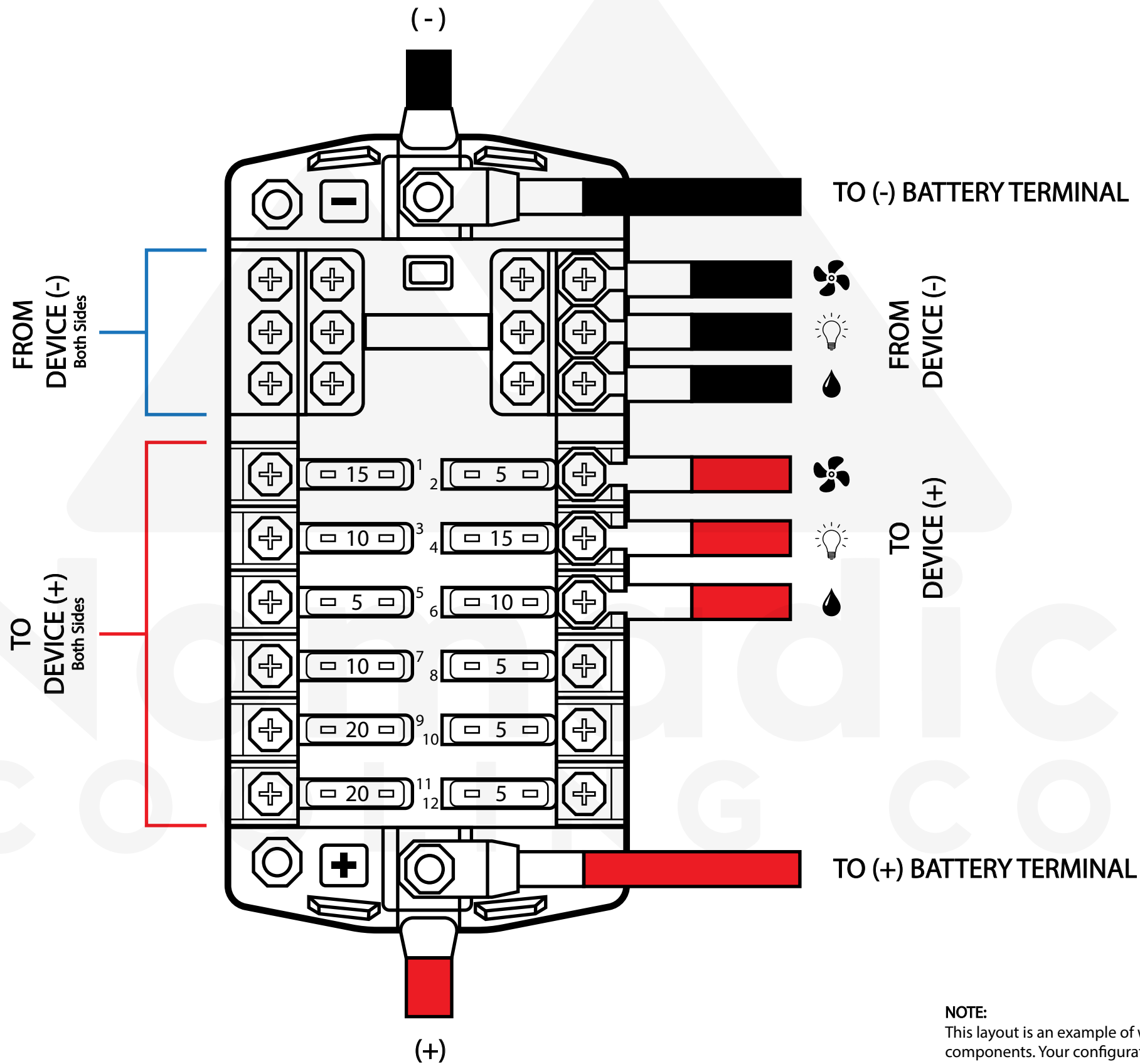
*AIR CONDITIONER FUSE SIZE 12V UNITS			
AC Model	Mount 187 Breaker	Fuse Size	Qty.
Dometic RTX 1000	80	80	1
Dometic RTX 2000	80	80	1
Indel B OFF	80	80	1
Nomadic X3	120	125	1

**LYNX DISTRIBUTOR**

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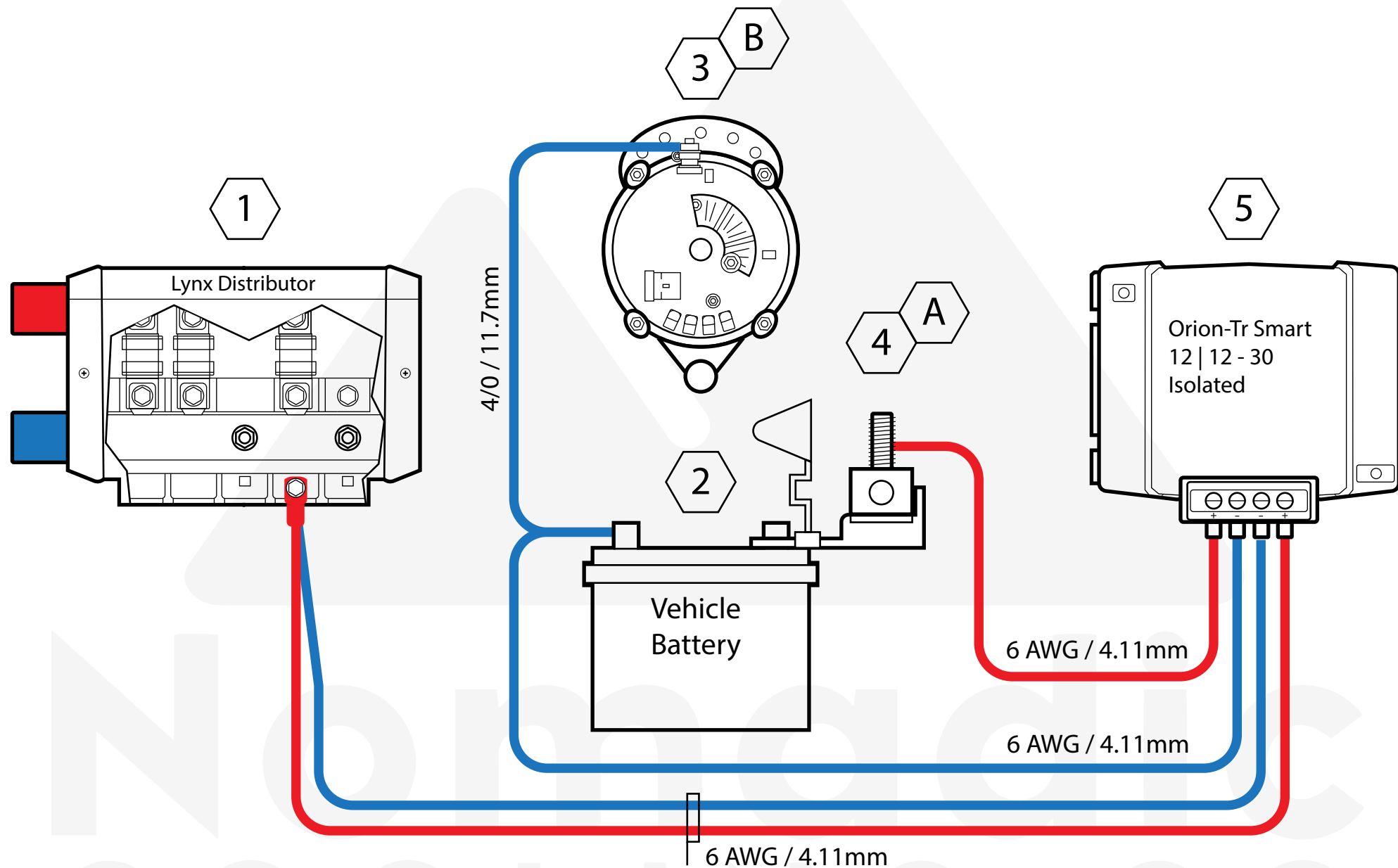
Install at your own risk. This diagram is to be used as a guide. Your configuration may vary. Nomadic Cooling Co does not take responsibility for any errors that may occur during installation. Please consult with a professional for install.

**BLUE SEA ST BLADE**

**WANDERER 12V 200AH**

**A4.1**





ORION-TR SMART ISOLATED

# WANDERER 12V 200AH

# A5.1

## LEGEND

- POSITIVE
- NEGATIVE

## NOTES X

- A. Terminal fuse block sits on positive battery terminal.
- B. 4/0 Negative cable from battery to negative post on stock alternator.

## COMPONENTS #

- |                     |   |                     |  |                                       |
|---------------------|---|---------------------|--|---------------------------------------|
| 1. LYNX DISTRIBUTOR | 2. POSITIVE TERMINAL POST STOCK BATTERY | 3. STOCK ALTERNATOR | 4. TERMINAL FUSE BLOCK / MRBF TERMINAL FUSE 250A | 5. ORION TR SMART 12   12 30 ISOLATED |
|---------------------|---|---------------------|--|---------------------------------------|

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PARTS LIST WANDERER 200Ah			
Key	Manufacturer	Product	Qty.
1	Victron	Lithium Battery 200Ah	1
2	Victron	VE. Bus BMS	1
3	Victron	Smart Shunt	1
4	Blue Sea	ANL Fuse Block and 300A Fuse	1
5	Blue Sea	Blue Sea 9003e	1
6	Victron	Lynx Distributor	1
7	-	Stock Alternator / Vehicle Battery - Customer Supplied, Not in kit	1
8	Victron	Orion TR Smart 12 12 - 30	1
9	Nomadic / Dometic	Air Conditioner 150 Amp - Customer Supplied, Not in kit	1
10	Blue Sea	ST Blade Fuse Block 120A	1
11	Blue Sea	Terminal Fuse Block 30 to 300A	2
12	Blue Sea	Terminal Fuse 250A	2

NOT ALL COMPONENTS IN KIT

*AIR CONDITIONER FUSE SIZE 12V UNITS			
AC Model	Mount 187 Breaker	Fuse Size	Qty.
Dometic RTX 1000	80	80	1
Dometic RTX 2000	80	80	1
Indel B OFF	80	80	1
Nomadic X3	120	125	1

NOT ALL COMPONENTS IN KIT

FUSE SIZES		
Component	Fuse Size	Qty.
Fuse Block	125A	1
Orion TR Smart	40A	1

NOT ALL COMPONENTS IN KIT

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**PARTS TABLES**

**WANDERER 12V 200AH**

**A6.1**

PARTS LIST WANDERER 200Ah			
Key	Manufacturer	Product	Qty.
1	Victron	Lithium Battery 200Ah	1
2	Victron	VE. Bus BMS	1
3	Victron	Smart Shunt	1
4	Blue Sea	ANL Fuse Block and 300A Fuse	1
5	Blue Sea	Blue Sea 9003e	1
6	Victron	Lynx Distributor	1
7	-	Stock Alternator / Vehicle Battery - Customer Supplied, Not in kit	1
8	Victron	Orion TR Smart 12 12 - 30	1
9	Nomadic / Dometic	Air Conditioner 150 Amp - Customer Supplied, Not in kit	1
10	Blue Sea	ST Blade Fuse Block 120A	1
11	Blue Sea	Terminal Fuse Block 30 to 300A	2
12	Blue Sea	Terminal Fuse 250A	2
13	Victron	Smart Solar MPPT 100   30	1
14	-	Solar Panel Array - Customer Supplies, Not in kit	2
15	Blue Sea	Blue Sea 187 Breaker - Size dependant on solar panels	1

NOT ALL COMPONENTS IN KIT

*AIR CONDITIONER FUSE SIZE 12V UNITS			
AC Model	Blue Sea 187 Breaker	Fuse Size	Qty.
Dometic RTX 1000	80	80	1
Dometic RTX 2000	80	80	1
Indel B OFF	80	80	1
Nomadic X3	120	125	1

NOT ALL COMPONENTS IN KIT

FUSE SIZES		
Component	Fuse Size	Qty.
Fuse Block	125A	1
Orion TR Smart	40A	1
Smart Solar MPPT	40A	1

NOT ALL COMPONENTS IN KIT

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**PARTS TABLES**