

## 2023 Alto F1743 Factory Upgraded AC wiring

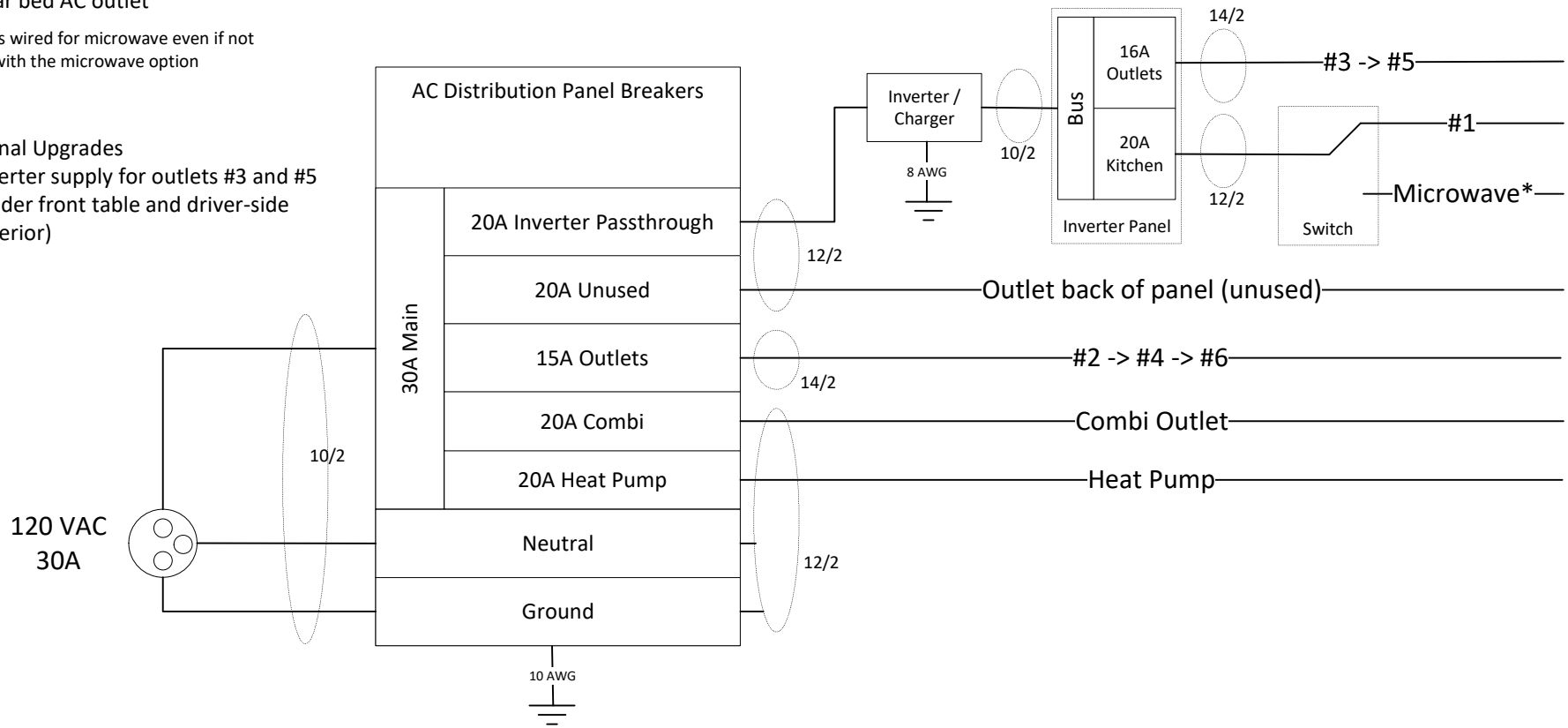
### Factory Options\*

- Xantrex inverter/charger
- Driver-side outdoor AC outlet
- Rear bed AC outlet

\* Trailer is wired for microwave even if not ordered with the microwave option

### Functional Upgrades

- Inverter supply for outlets #3 and #5 (under front table and driver-side exterior)



AC Outlets (all but Charger are GFCI-protected from first outlet in chain)

- #1 – Kitchen (NEMA 5-15R, GFCI)
- #2 – Passenger-side exterior (NEMA 5-15R, GFCI)
- #3 – Under front table (NEMA 5-15R, GFCI)
- #4 – Under rear kitchen countertop (NEMA 5-15R)
- #5 – Driver-side exterior (NEMA 5-15R)
- #6 – Under rear bed shelf (NEMA 5-15R)
- Combi – Under rear kitchen cabinet (NEMA 5-20R, GFCI)
- Microwave\* – Upper front cabinet (NEMA 5-15R, GFCI?)
- Charger – Back of AC Distribution panel (unused)

## 2023 Alto F1743 Upgraded DC wiring

Excluding appliances and trailer lights

### Functional upgrades

- SoC includes all circuits
- Battery cutoff kills all circuits
- Solar cutoff switch
- Tuson sway control
- Tuson TPMS
- External solar
- Replace Epever solar controller w/ Victron

### New components

- Victron SmartSolar MPPT 100/20 (x2)
- Tuson TSC-1000
- Tuson TPMS
- Kohree DC disconnect switch
- LONQ solar isolator disconnect switch
- Blue Sea Systems Safety 150 fuse block

### Fuses

#### Existing AC DC Distribution (Subpanel)

- Lights (5A) – All except bathroom
- Fridge (15A) – DC-only 'fridge
- Fan (10A) – MaxxFan
- Furnace (10A) – Heat Pump control
- Pump (10A)
  - SeeLevel (including pump)
  - Kitchen USB outlets
- 12V Outlet (15A) (cigarette)
  - Under front table
  - Under rear bed shelf
- CO LPG Detector (3A)
- Combi (10A) – Control and fan
- Toilet light (5A)
- TV (10A) (more 12V cigarette outlets)
  - Near television mount
  - Under rear kitchen countertop
  - External antenna power (pushbutton)

#### New Main DC Distribution

- Inverter (200A)
- Caravan Mover (125A)
- AC DC Distribution Panel (50A)
- Car (30A) – 12VDC from tow vehicle
- Rooftop Solar Controller (30A)
- External Solar Controller (30A)
- TPMS Repeater (2A)
- Smart Shunt (1A)
- Breakaway switch (20A)

