



20V & 40V Charging Station  
by @danigodwin

## PROJECT PLAN

**Finished Dimensions:** Desired Dimensions

**Skill Level:** Intermediate

## Tools Used



Miter Saw

or



Circular Saw



Drill/Driver



Tape Measure



Orbital Sander



Safety Glasses



Safety Glasses

Also Needed: Gloves, Pencil, Wood Glue, 18 Gauge 1" Nails, and Brad Nailer

**Battery Tip:** A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

## Lumber Cut List

Board*	Description	Cut to	Qty
Back	3/4" MDF	9"x24"	1
Top/ Bottom	3/4" MDF	9"x24"	2
Middle Shelf	3/4" MDF	9"x23"	1
Sides	3/4" MDF	9"x10.5"	2

\* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

## Assembly Instructions

### Step 1

Cut out all material using the Lumber & Sheet Cut Layout Guide.

### Step 2

Sand down the pieces using a random orbital sander.

## Step 3

Glue the sides, top, and bottom to make a box and secure them with the 18-gauge nails.

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## Step 4

Slide in the middle shelf, centering it from the top and bottom, and secure it using brad nails.

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## Step 5

Place the back board to the back side of the box, aligning it flush to the top of the box. This allows a gap in the bottom to insert the chargers from the back. Pre-drill holes and secure it with screws so it can be removed to add slots later for more chargers (if needed).

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## Step 6

Finally, align a power spike to back of the box and secure it using screws.

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## Step 7

You can add protective coating/finish or paint according to your preference.