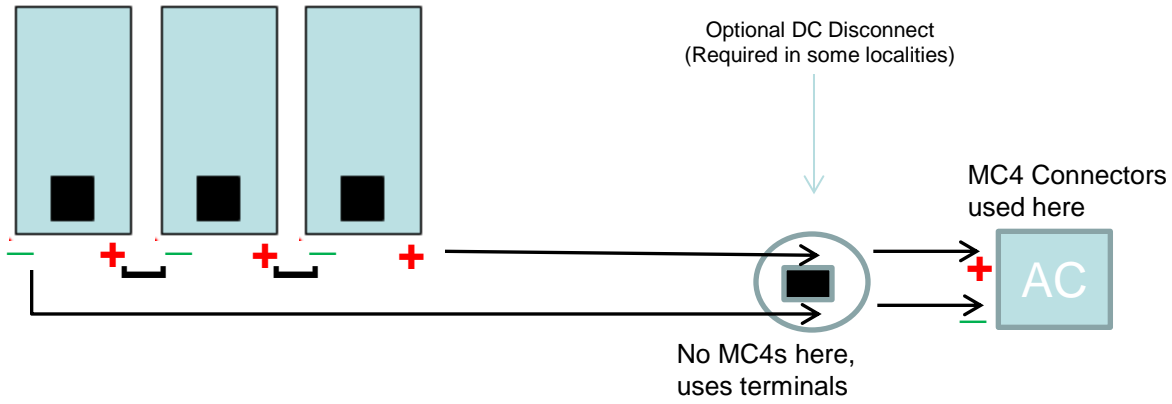


# Solar AC Optional Installation Accessories Ordering Guide

- Cabling Topology
- Optional DC Disconnect
- Cabling
- 3 Panel System Mount Options – Portrait
- Grounding
- Outside Wall Mount

# ACDC12C Solar Cabling Topology

## 3-Panel Cable Layout



Red = Positive Connection  
Green = Negative Connection

All cabling  $\geq$  AWG10 as needed.  
Max DC draw of ACDC12 Unit is 15a.

Note\* Please check your local codes for mounting of DC Disconnect.

## Optional: DC Disconnect

### Required for USA installations

Reference GE TG3221R (Order from Home Depot if needed)

<http://www.homedepot.com/p/GE-30-amp-240-Volt-Fusible-Outdoor-General-Duty-Safety-Switch-TG3221R/202978633#>

Order 20a fuses with the GE TG3221R

You will need a cable pair to connect DC Disconnect to AC unit AWG10, 9.8 FT. (MC4 connectors needed)



### \*Note

- Check your distances carefully!
- Cabling options are designed to comply with most jurisdictions in the U.S. Consult your local licensed electrician to ensure local compliance for your area.
- Check your local codes for mounting of DC Disconnect.

## MC Cabling Kit

(Our cables are always sold as a pair).

From your panel array location you will need at least 1 pair of AWG10 “Home Run” cables.

If the cables will run directly to the ACDC12C you may order them as in the following example: MC4-25-2 (In this example, 25 ft., MC4 connectors both ends)

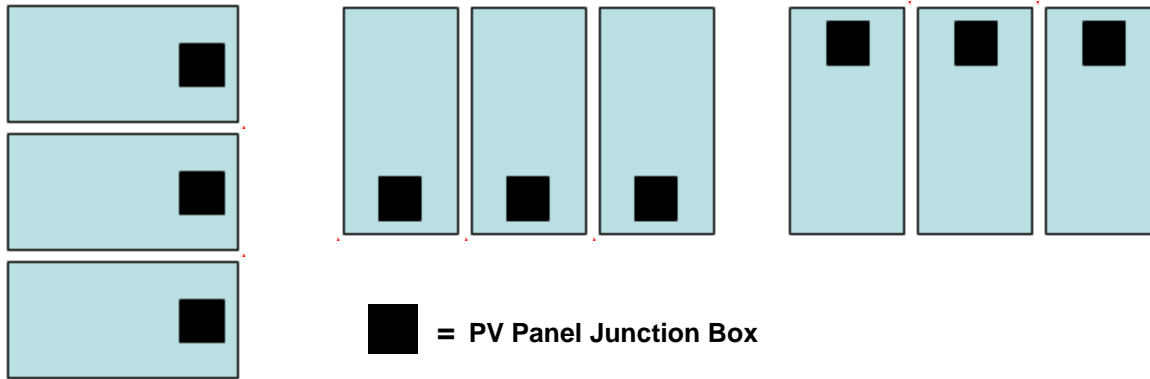
Where the green number is the one-way length in feet and the red number means MC4 connectors on 2 (both) ends of each cable.

**If you will use a DC Disconnect,** then you need a different 2 pairs of cables.

The first pair will be like the above example except MC4 connectors will be only on one end, eg. MC4-25-1. (In this example, 25 ft., MC4 connectors one end) This set connects from the solar array MC4 connectors to the DC disconnect terminals on the input side.

The second pair connects from the DC disconnect output terminals to the MC4 connections on the ACDC12C. You will use cables such as the following example (based on the length needed) with MC4 on only one end. Example: MC4-8-1 (In this example, 8 ft., MC4 connectors one end)

# Roof Mount Kit For 3 Modules (3MP) Layout Options



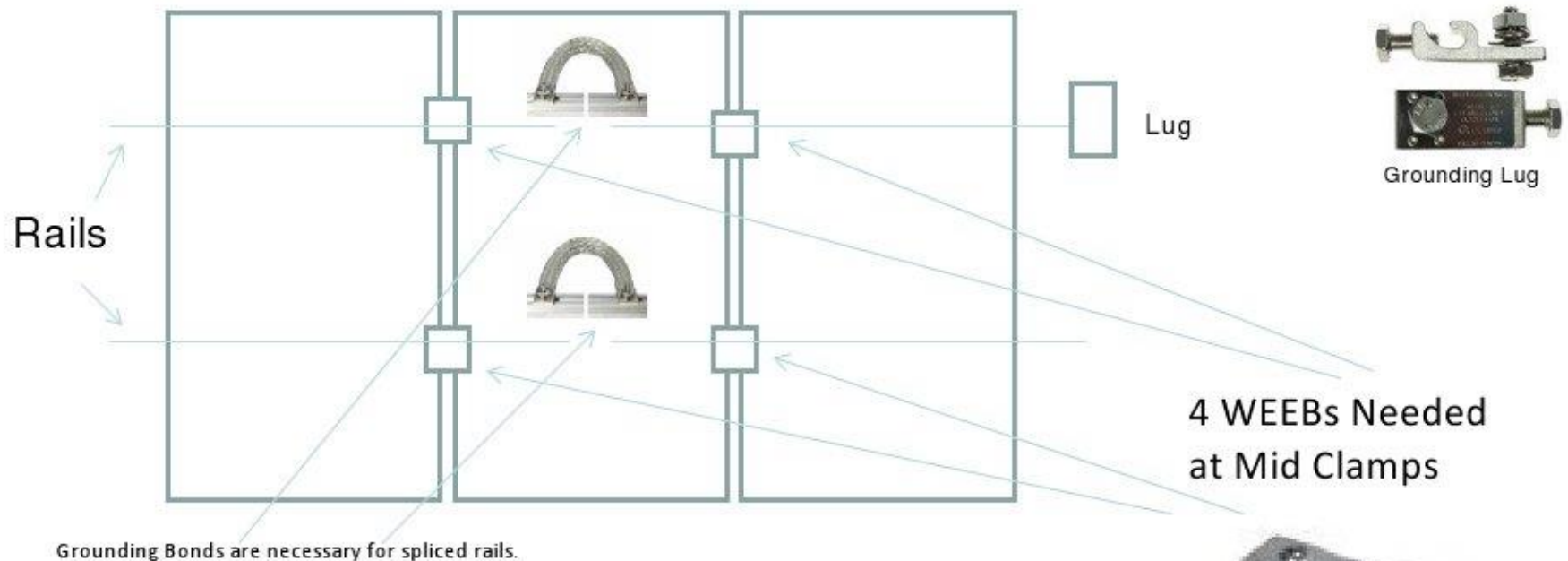
## 3MP Kit Includes:

- 4 - TWOXRSRAIL-7FT XRS Rail, 7 Foot Section
- 2 - TWOXRS297000017 L-Foot Kit (4 Pack) for All XRS Systems
- 2 - TWOXRS297000010 Splice Kit for All XRS Mounting Systems
- 1 - TWOXRS297000101 XRS Mid Clamp Kit (4 Pack) C,D,J, E
- 1 - TWOXRS297000157 XRS End Clamp Kit (4 Pack) C
- 1- 3 Panel WEEB Grounding Kit

\*Note – Standard module racking configurations & kits are for flush mount on a normal residential shingled roof. Please contact us for other roof options.

\*\*Note 2 – check your distances and make sure to order correct cabling.

# 3 Panel Grounding



- 3-Panel Grounding Kit  
 4 ea. WEEB Mid Clamp, WEEB – DMC  
 2 ea. WEEB Bonding Jumper 6.7  
 1 ea. GND Lug 6.7  
 Not Included: 10AWG Ground Wire



## Optional Exterior Wall Mount For Air Conditioner Condensing Unit

Used to mount the outdoor air conditioning unit on an exterior wall to protect unit from snowdrift, flood, or for installation convenience.

Use Only All Stainless Steel



Above mounting hardware images for reference only. Products available through online sellers such as Lowes, Home Depot, Amazon. Not provided by HotSpot Energy.