



Designed by an installer, for installers.

Maxfield Innovations is a Utah company founded by Kienan Maxfield and his family of four. Kienan has been an off-grid solar installer for 13 years and has been teaching technical classes and code compliance at SEI (*Solar Energy International*) for 8 years.

After encountering numerous code-compliance issues in the field, Kienan founded **Maxfield Innovations** with the goal of providing simple, safe, and affordable solutions for professional solar installers and homeowners alike. Maxfield Innovations currently makes custom buss bars and custom electrical enclosures with specific applications such as the **Conduit Adapter** Below

At Maxfield Innovations, our goal is to get our products into hands of installers through wholesale distribution channels in order to make installations simple, safe, and most importantly, code compliant. Please contact us for wholesale opportunities and for your custom needs... we may be able to find you a solution!



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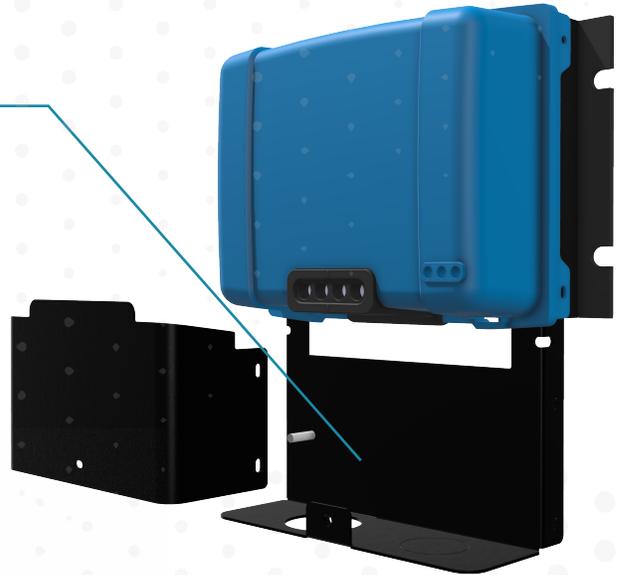
Conduit Adapter Series

USA CODE COMPLIANT

For use on Victron™ brand solar chargers

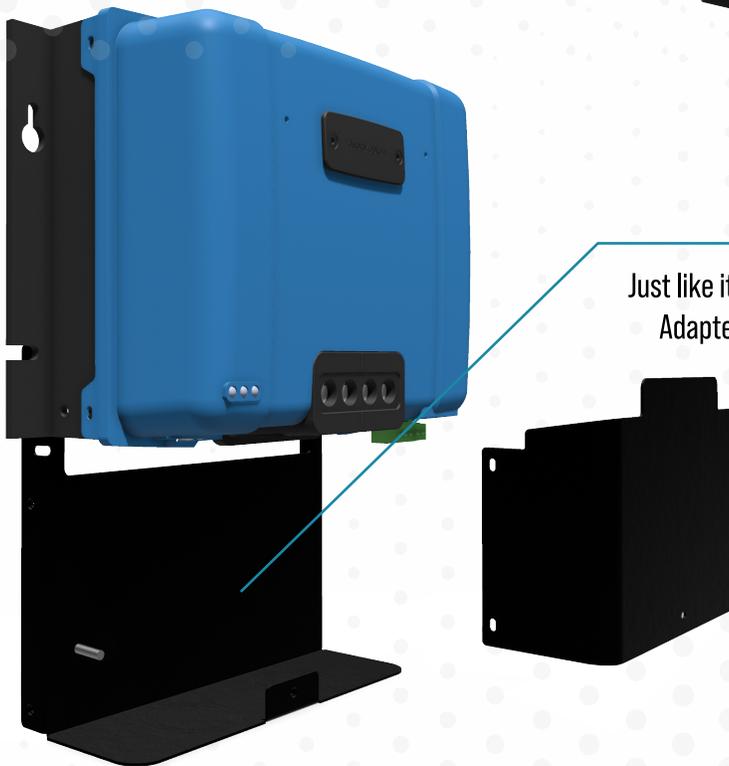
MEDIUM 30A/50A - 100V & 150V

Designed and manufactured in the USA, the code compliant Medium Conduit Adapter is fabricated with precision for ease of install. Made from coated steel, each adapter comes with multiple knock-outs, an easily removable access panel, grounding stud, and all applicable hardware.



60A/70A - 150V & 250V LARGE

Just like it's little brother, the fully code compliant Large Conduit Adapter is designed and fabricated in the USA. This adapter is compatible with both -TR and -MC4 models. Made from coated steel, each adapter comes with multiple knock-outs, an easily removable access panel, grounding stud, and all applicable hardware.

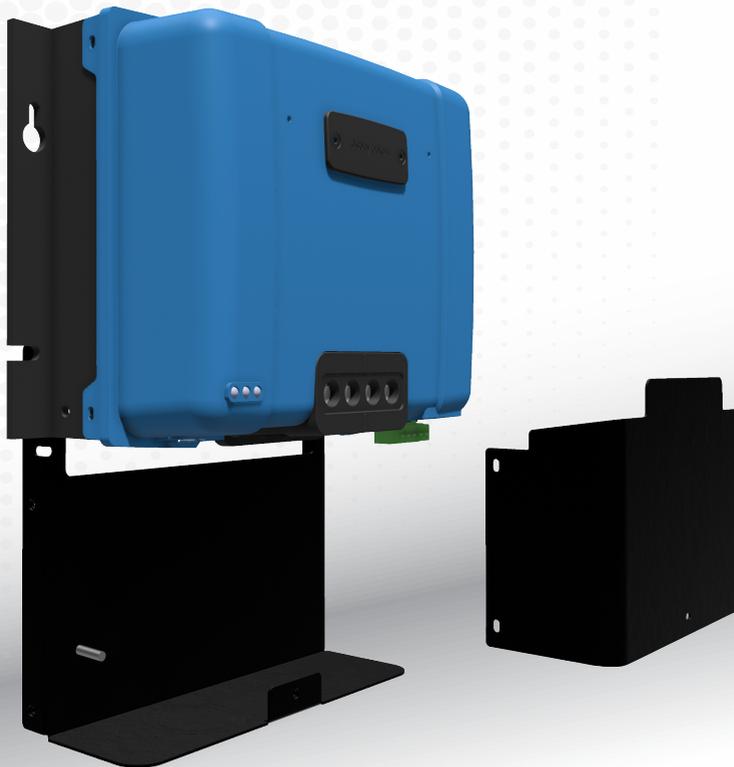


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MADE IN USA

Conduit Adapter | LARGE

USA CODE COMPLIANT

For use on **60A** and **70A** Victron[™] solar chargers in both **150V** & **250V**. Compatible with both -TR and -MC4 models

LARGE Conduit Adapter

Installation Instructions 60A/70A - 150V & 250V

STEP ONE:

Place ground bar on back plate grounding stud and secure it with silver #8 Keps nut.



STEP TWO:

Before mounting the back plate to the charge controller, remove the two plastic screws on the back of the charge controller, along with the ground screw on the side of the unit.

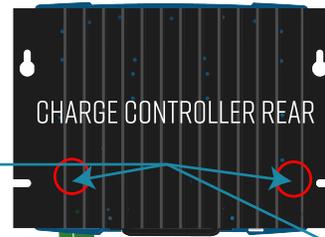


FIGURE A

SIDE VIEW

STEP THREE:

Align back plate (as shown in Figure A) with the outermost channels of the charge controller and, using the same holes from the previously removed plastic screws (shown in Figure B) mount the back plate to the charge controller using 2 silver 4mm screws with 2 silver 4mm star washers. The knock-outs should be facing forward, directly beneath the charge controller. (as shown in figure C)

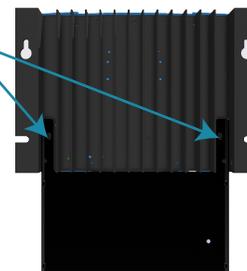
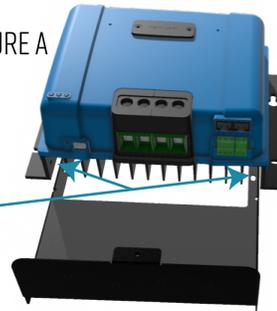


FIGURE B



FIGURE C
Knock-outs facing forward.

STEP FOUR:

Place front cover over the back plate and insert 5 black #6 screws with black #6 star washers. (Two on each side and one on the bottom center of the cover. (as indicated on Figure D)

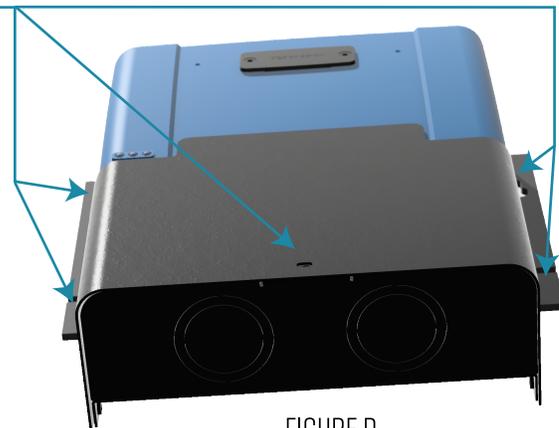


FIGURE D

STEP FIVE (OPTIONAL)

If desired, replace grounding screw that was removed in step two.

LARGE Conduit Adapter

Compatibility List 60A/70A - 150V & 250V

All models of the following sizes (including smartsolar and bluesolar, -TR versions and -MC4 versions) 150/60, 150/70, 250/60, and 250/70, as well as the discontinued -TR and -MC4 150/45

Compatible Smart MPPT Models

SmartSolar MPPT 150/60-TR
 SSC115060210 & SCC115060211

SmartSolar MPPT 150/60-MC4
 SCC115060310 & SCC115060311

SmartSolar MPPT 150/70-TR
 SCC115070211

SmartSolar MPPT 150/70-TR
 VE. Can SCC115070411

SmartSolar MPPT 150/70-MC4
 VE.Can SCC115070511

SmartSolar MPPT 250/60-TR
 SCC125060310

SmartSolar MPPT 250/60-MC4
 SCC125060310 & SCC125060311 & SCC 125060321

SmartSolar MPPT 250/70-TR
 SCC125070221

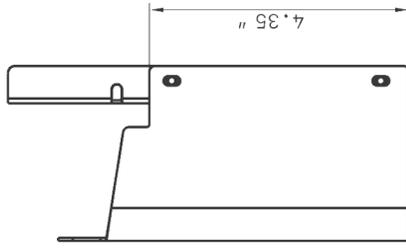
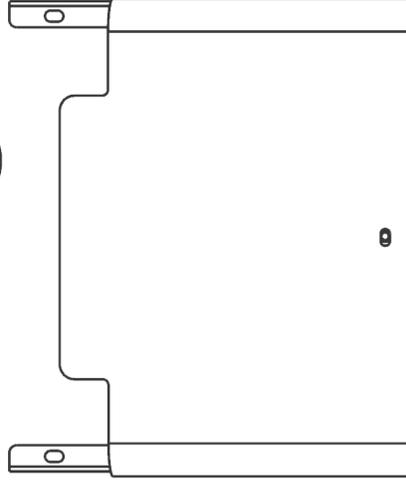
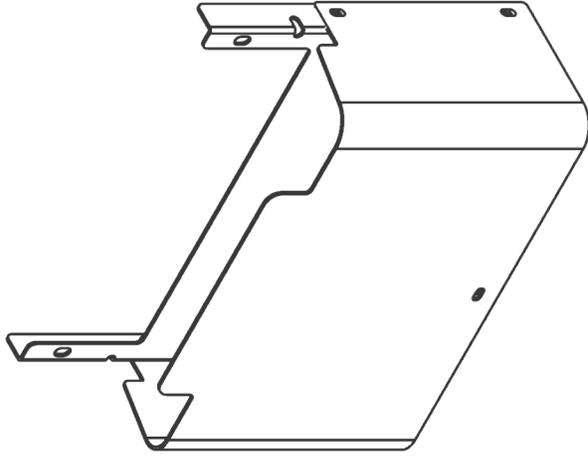
SmartSolar MPPT 250/70-TR
 VE. Can SCC125070421

SmartSolar MPPT 250/70-MC4
 VE. Can SCC125070321 & SCC125070521

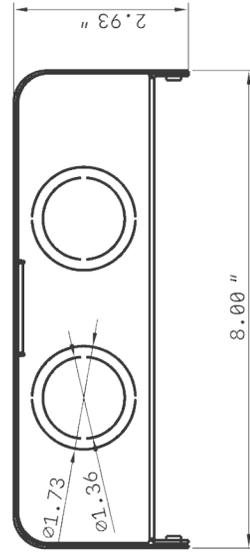
SmartSolar MPPT 150/45-TR
 SCC115045211 (Discontinued)

SmartSolar SmartSolar MPPT 150/45-MC4
 SCC115045310 (Discontinued)

!! NOT COMPATIBLE WITH !!
 SmartSolar MPPT 150/45
 SCC115045212



2 - Dual Diameter Knock-Outs
 Inner - 1" Outer - 1 1/4"



TITLE

UNITS	PROJ. ANG.	SIZE
in		L
LAST UPDATED		SHEET
05/27/23		1/1



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MADE IN USA

Conduit Adapter | MEDIUM

USA CODE COMPLIANT

For use on **30A to 50A** Victron™ solar chargers in both **100V** and **150V**

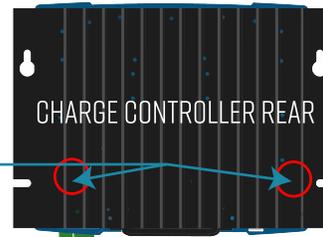
MEDIUM | Conduit Adapter

Installation Instructions 30A/50A - 100V & 150V

STEP ONE:
Place ground bar on back plate grounding stud and secure it with silver #8 Keps nut.



STEP TWO:
Before mounting the back plate to the charge controller, remove the two plastic screws on the back of the charge controller.



STEP THREE:
Align back plate (as shown in Figure A) with the outermost channels of the charge controller and, using the same holes from the previously removed plastic screws (shown in Figure B) mount the back plate to the charge controller using 2 silver 4mm screws with 2 silver 4mm star washers. The knock-outs should be facing forward, directly beneath the charge controller. (as shown in figure C)

FIGURE A

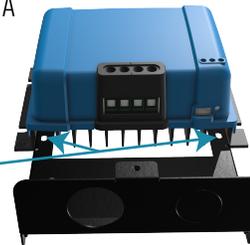


FIGURE C
Knock-outs facing forward.

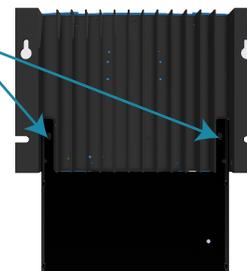


FIGURE B

STEP FOUR:
Place front cover over the back plate and insert 5 black #6 screws with black #6 star washers. (Two on each side and one on the bottom center of the cover. (as indicated on Figure D)

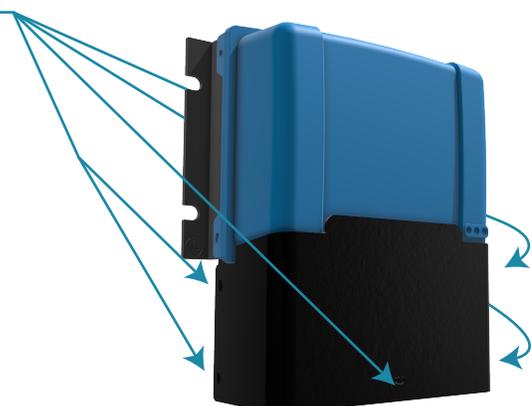


FIGURE D

MEDIUM Conduit Adapter

Compatibility List 30A/50A - 100V & 150V

Compatible with all model, versions, and generations of the following:

SmartSolar MPPT 100/30
 SmartSolar MPPT 100/50
 SmartSolar MPPT 150/35
 SmartSolar MPPT 150/45
 BlueSolar MPPT 100/30
 BlueSolar MPPT 100/50
 BlueSolar MPPT 150/35
 BlueSolar MPPT 150/45

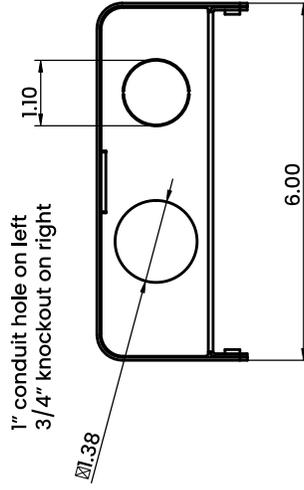
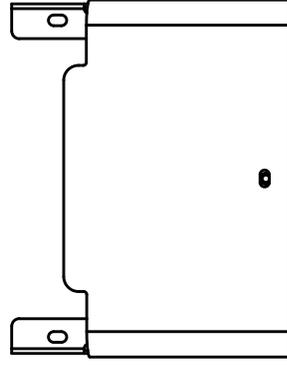
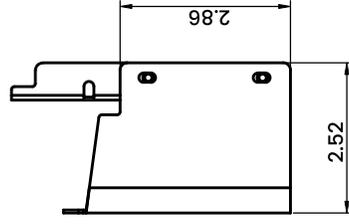
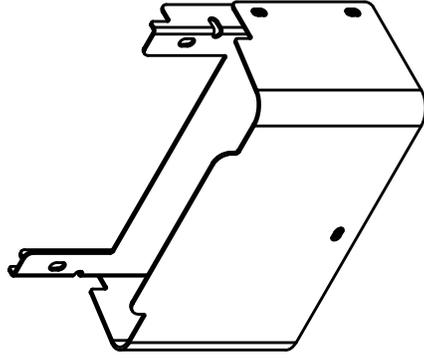
Latest generations of the following:

SmartSolar MPPT 150/45
 SCC115045212
 BlueSolar MPPT 150/45
 SCC115045222

ATTENTION:

NOT COMPATIBLE WITH THE FOLLOWING DISCONTINUED MODELS.

SmartSolar MPPT 150/45-Tr
 SCC115045211 (Discontinued)
 SmartSolar SmartSolar MPPT 150/45- MC4
 SCC115045310 (Discontinued)
 BlueSolar MPPT 150/45- Tr
 SCC010045200 (Discontinued)
 BlueSolar MPPT 150/45- MC4
 SCC010045300 (Discontinued)



1" conduit hole on left
 3/4" knockout on right

TITLE	Medium Charge Controller...		
UNITS	PROJ. ANG.	SIZE	
in		B	
SCALE	LAST UPDATED	SHEET	
1:2	01/07/24	1/1	