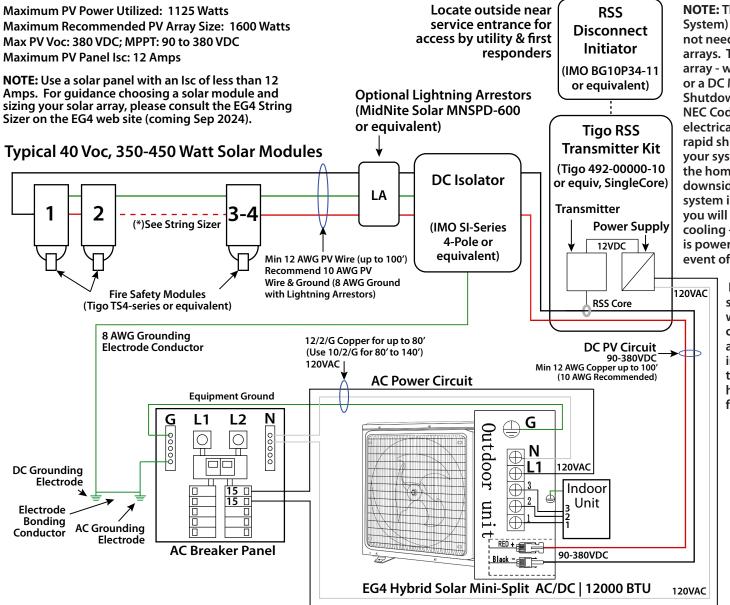
TABLE OF CONTENTS

- 1. Wiring Schematic for 1 EG4 12K BTU AC/DC Mini Split with Rapid Shutdown System
- 2. Wiring Schematic for 2 EG4 12K BTU AC/DC Mini Splits with Rapid Shutdown System
- 3. Wiring Schematic for 1 EG4 12K BTU AC/DC Mini Split Sharing Tigo RSS and DC Isolator with Inverter
- 4. Wiring Schematic for 1 EG4 24K BTU AC/DC Mini Split with Rapid Shutdown System
- 5. Wiring Schematic for 2 EG4 24K BTU AC/DC Mini Splits with Rapid Shutdown System
- 6. Wiring Schematic for 1 EG4 24K BTU AC/DC Mini Split Sharing Tigo RSS and DC Isolator with Inverter

1. Wiring Schematic for 1 EG4 12K BTU AC/DC Mini Split with Rapid Shutdown System

Solar Array Parameters:



NOTE: The RSS (Rapid Shutdown System) components shown here are not needed for around mount solar arrays. Technically, any rooftop solar array - whether feeding a solar inverter or a DC Mini-Split - should have a Rapid Shutdown System (RSS) according to NEC Code. Check with your local electrical inspector (AHJ) whether a rapid shutdown system is necessary for your system. Since no DC wires enter the home they may not require it. The downside of using a rapid shutdown system is that during power outages you will have no backup heating and cooling - assuming the RSS transmitter is powered by the utility power in the event of a power outage.

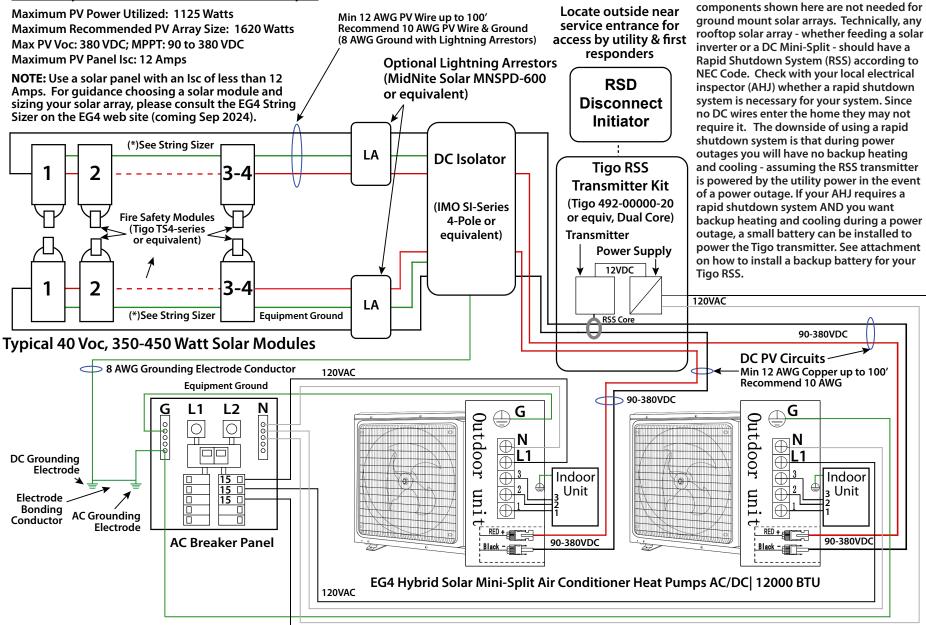
> If your AHJ requires a rapid shutdown system AND you want backup heating and cooling during a power outage, a small 12 V battery can be installed to power the Tigo transmitter. See attachment on how to install a backup battery for your Tigo RSS.

DRAWING #MSplit-12K-3L-1, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED

THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4™ IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.

2. Wiring Schematic for 2 EG4 12K BTU AC/DC Mini Splits

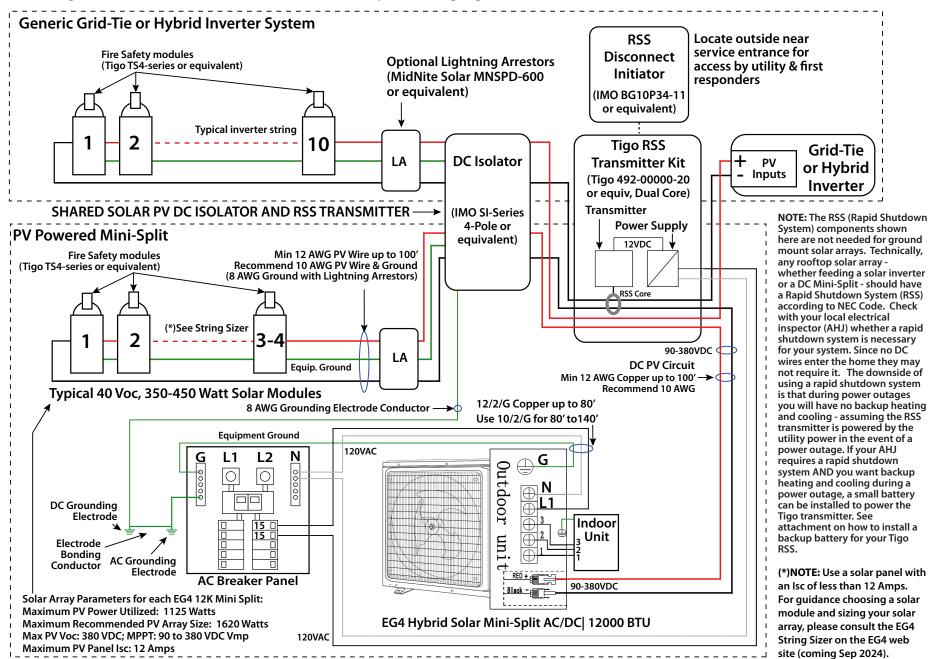
Solar Array Parameters for each EG4 12K Mini Split:



NOTE: The RSS (Rapid Shutdown System)

DRAWING #MSplit-12K-3L-2, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED

THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4™ IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.

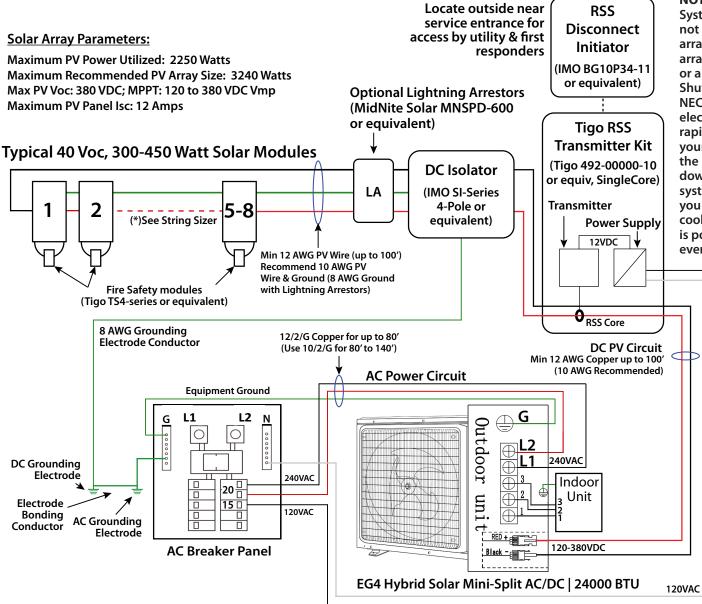


3. Wiring Schematic for 1 EG4 12K BTU AC/DC Mini Split Sharing Tigo RSS and DC Isolator with Inverter

DRAWING #MSplit-12K-3L-3, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED.

THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4TM IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.

4. Wiring Schematic for 1 EG4 24K BTU AC/DC Mini Split with Rapid Shutdown System



NOTE: The RSS (Rapid Shutdown System) components shown here are not needed for ground mount solar arrays. Technically, any rooftop solar array - whether feeding a solar inverter or a DC Mini-Split - should have a Rapid Shutdown System (RSS) according to NEC Code. Check with your local electrical inspector (AHJ) whether a rapid shutdown system is necessary for vour system. Since no DC wires enter the home they may not require it. The downside of using a rapid shutdown system is that during power outages you will have no backup heating and cooling - assuming the RSS transmitter is powered by the utility power in the event of a power outage.

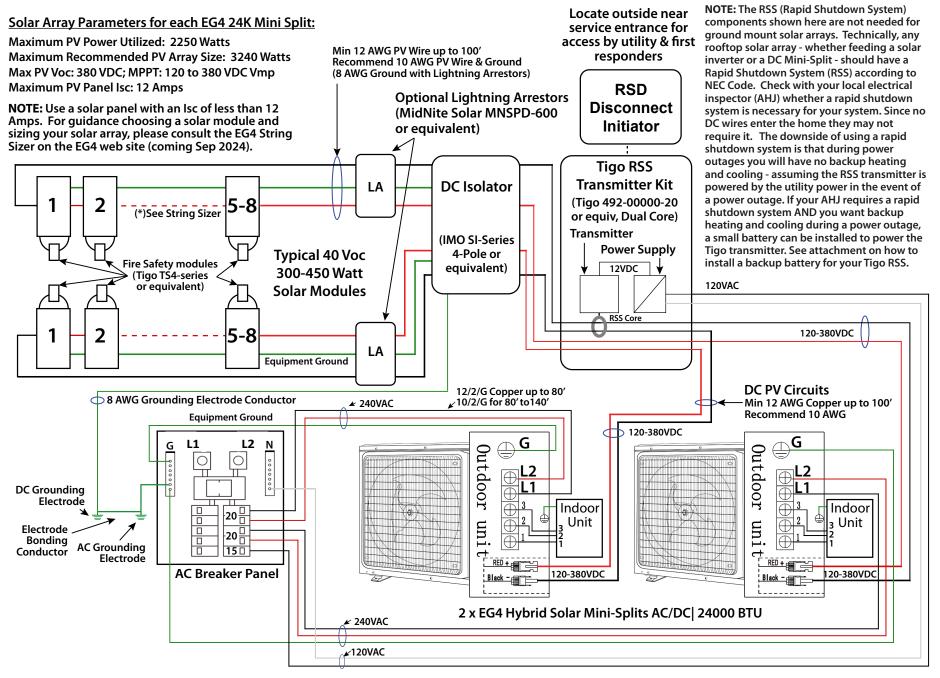
> If your AHJ requires a rapid shutdown system AND you want backup heating and cooling during a power outage, a small 12 V battery can be installed to power the Tigo transmitter. See attachment on how to install a backup battery for your Tigo RSS.

(*)NOTE: Use a solar panel with an lsc of less than 12 Amps. For guidance choosing a solar module and sizing your solar array, please consult the EG4 String Sizer on the EG4 web site (coming Sep 2024).

DRAWING #MSplit-24K-3L-4, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED.

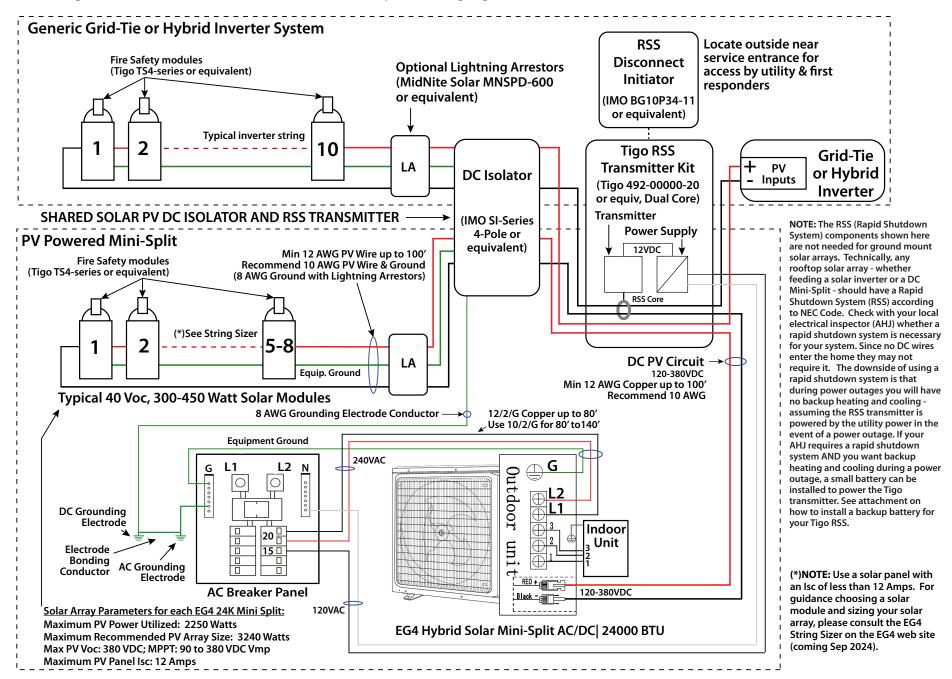
THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4™ IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.

5. Wiring Schematic for 2 EG4 24K BTU AC/DC Mini Splits



DRAWING #MSplit-24K-3L-5, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED.

THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4™ IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.



6. Wiring Schematic for 1 EG4 24K BTU AC/DC Mini Split Sharing Tigo RSS and DC Isolator with Inverter

DRAWING #MSplit-24K-3L-6, VERSION 1.2 ©2024 EG4 ELECTRONICS, LLC. ALL RIGHTS RESERVED.

THIS DIAGRAM IS FOR ILLUSTRATIVE PURPOSES ONLY. EG4TM IS NOT RESPONSIBLE FOR ACCURACY. FINAL WIRING DIAGRAMS SHOULD BE GENERATED BY A LICENSED PROFESSIONAL AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING MUNICIPAL, COUNTY, STATE OR ANY OTHER GOVERNMENT OR REGULATORY ENTITY WHICH REGULATES THE USE OF THIS EQUIPMENT WHERE IT MAY BE INSTALLED.