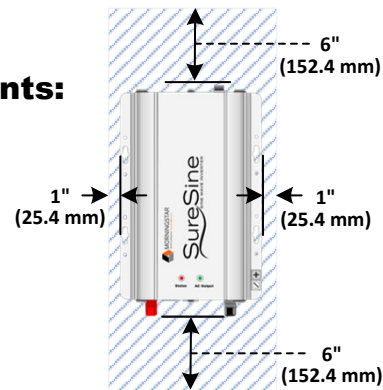
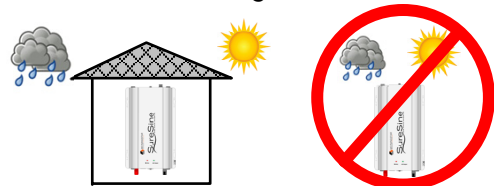


Minimum Clearance Requirements:



- WARNING: Risk of Fire**
Do not install over an easily combustible surface, since the heat sink may get hot under certain operating conditions.
- CAUTION: Burn Hazard**
Place in a location to avoid direct contact.

- CAUTION: Equipment Damage**
Do not expose the SureSine to weather. Locate in a dry, protected area to prevent equipment damage.
Ensure the minimum clearance requirements are followed to provide adequate ventilation and prevent the unit from overheating.



WARNING: Risk of Fire
All over-current protection devices and wiring must be sized properly, in accordance with US National Electric Code (NEC) or the country of installation's local regulations.

WARNING: Explosion Hazard
Never install the SureSine in an enclosure with vented/flooded batteries. Battery fumes are flammable and will corrode and destroy the SureSine circuits. Ensure sufficient ventilation.

WARNING: Shock Hazard
Fuses, single-pole circuit breakers or single-pole disconnect switches should **NEVER** open grounded system conductors. This could create a shock hazard that could be fatal to personnel and/or damage the equipment.

IMPORTANT: Neutral-Ground Bond
The AC Neutral of the 120 Vac/ 60 Hz models is bonded to the inverter frame internally from the factory as required for UL safety requirements.
The AC Neutral of the 127 V, 230 V, and 240 V models is floating (not bonded to the inverter frame). If a neutral-ground bond is required an internal neutral-ground jumper wire (included) can be used to connect the neutral terminal to the grounded chassis.

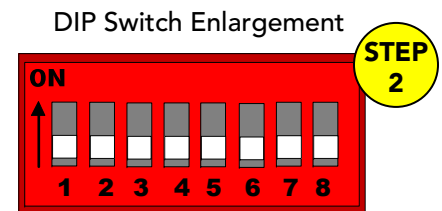
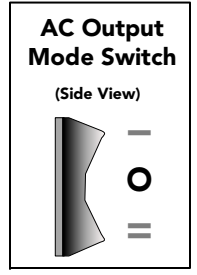
Consult Section 2.8.4 of the manual for additional information.

CAUTION: Equipment Damage
Ensure the AC loads do not exceed the continuous and surge power ratings.

STEP 1a Ensure circuit breakers are open, disconnect switches are open, and fuses are removed from fuse holders.

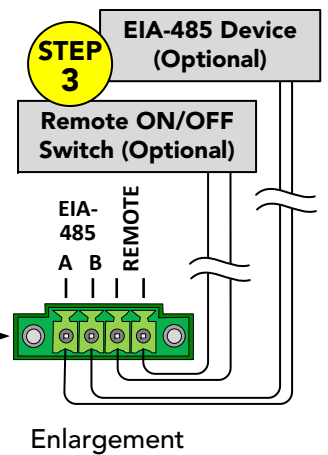
AND

STEP 1b Ensure the AC Output Mode Switch is in the OFF position.

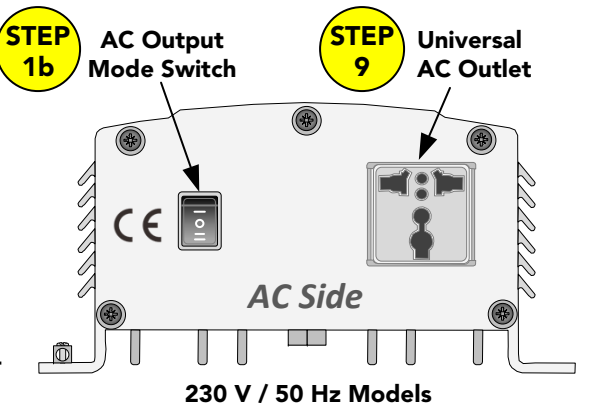
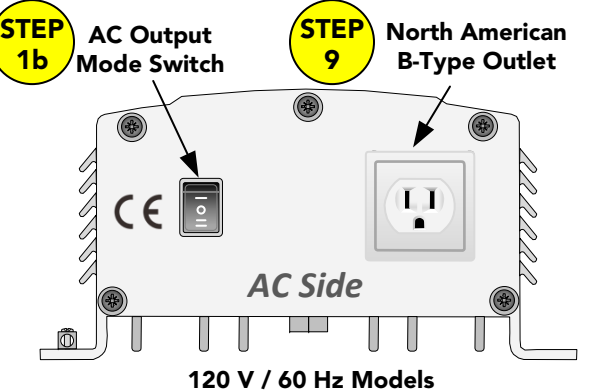
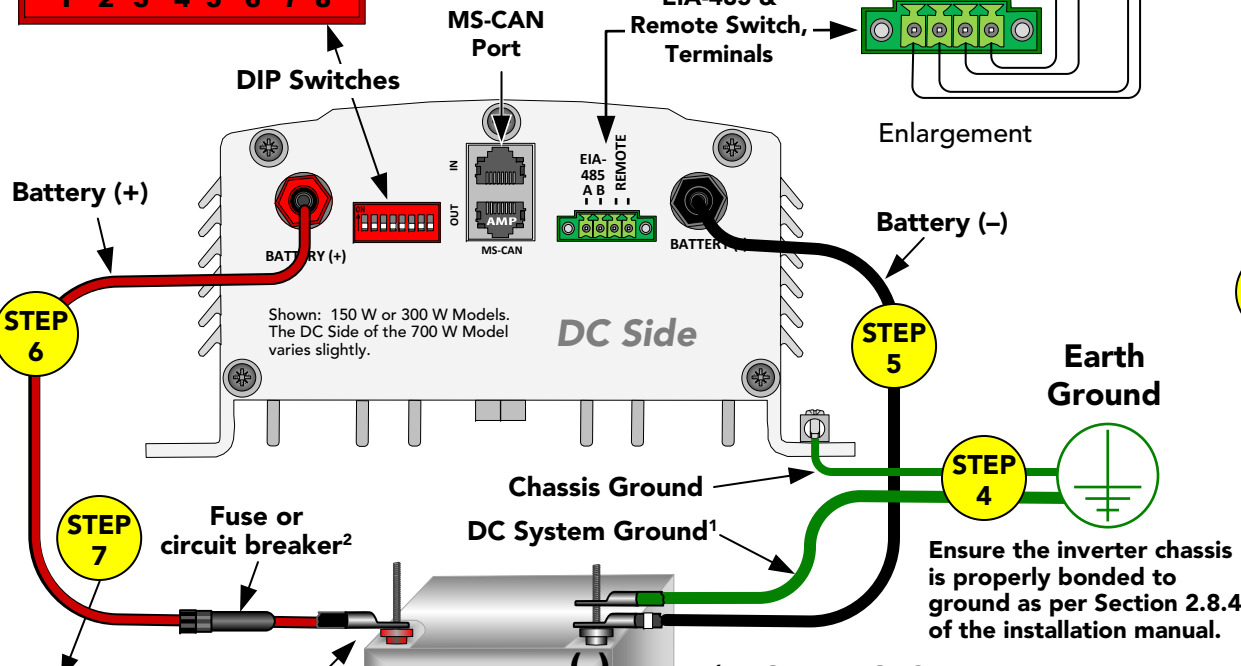


For DIP Switch settings, see page 4 of this guide.

IMPORTANT: Example only. Actual wiring may vary. READ the SureSine Installation and Operations Manual for mandatory safety requirements. All configurations must comply with local and national electric codes. Consult the local electric authority to ensure compliance.



See the SureSine Installation and Operation's Manual for information on communication options.



STEP 6 Connect Battery (+) to the BATTERY (+) terminal.

STEP 7 Connect Battery (-) to the BATTERY (-) terminal.

STEP 8 Connect the Fuse or circuit breaker to the BATTERY (+) terminal.

STEP 5 Connect the DC System Ground to the DC SYSTEM GROUND terminal.

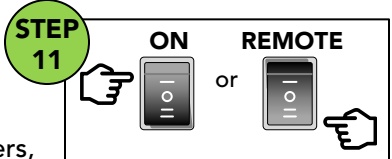
STEP 4 Connect the Chassis Ground to the CHASSIS GROUND terminal.

STEP 9 Connect the AC Output Mode Switch to the AC OUTPUT MODE SWITCH terminal.

STEP 10 Connect the Remote Switch to the REMOTE terminal.

Ensure the inverter chassis is properly bonded to ground as per Section 2.8.4 of the installation manual.

1NEGATIVE GROUND
(For Positive Ground wiring, see the SureSine Installation and Operations Manual)



STEP 11 Check the LEDs for proper operational status indications. See page 4 of this guide.

Mounting:

- Step 1: Choose mounting location**
 - A) Determine how and where the inverter will be mounted.
 - B) Ensure the inverter is protected from sun, rain, and dust.
- Step 2: Wiring accessibility and air flow clearance**
 - A) Plan and confirm wire routing-access.
 - B) Verify that the mounting screws will not penetrate wires or other objects located on the opposite side of the surface.
 - C) Verify that there is at least 6" of space around the unit.
- Step 3: Mark and drill holes**
 - A) Place the inverter on the wall where the unit will be mounted.
 - B) With a pencil or pen, mark the center of each keyhole slot; two (2) on top and two (2) on the bottom.
 - C) Remove the inverter and drill four (4) 1/8" (3.175 mm) holes where the marks were made.
- Step 4: Secure the inverter**
 - A) Place the SureSine onto the surface and align the keyhole slots with the four (4) pilot holes.
 - B) Use the four (4) #10 screws (included) to secure the SureSine to the surface.

For optimal ventilation and cooling, mount in portrait style orientation.

Portrait Orientation



2BEFORE INSTALLING:
Ensure the fuse is removed from the fuse holder or the disconnect is in the OPEN position.

WARNING: Explosion Hazard
STEP 8 can produce a spark if the fuse is inserted or the disconnect is in the CLOSED position.

TERMINAL TORQUE REQUIREMENTS			
Terminal	Terminal Size or Wire Size*	Torque to:	
		In-lbs.	Nm
DC (+) (-) Input Bolt Terminals (150 - 300 Watt)	M8 (~5/16")	20	2.3
DC (+) (-) Input Bolt Terminals (700 Watt)	M6 (~1/4")	35	4
AC Output Neutral, Line and Ground Terminals	M6 (~1/4")	20	2.3
Chassis Ground Lug	14 - 2 AWG (2.5 - 10.0 mm ²)	35	4
Modbus, Remote Switch, Auxiliary Power Terminals	16 - 28 AWG (1.0 - 0.1 mm ²)	5	0.57

*For recommended/minimum wire sizes and disconnect/fuse sizes per application, and terminal block installation for the remote switch or communications options, see the SureSine Installation and Operations Manual.

Power UP Sequence:

1. Connect Battery/Battery Bank. (STEP 8)
2. Connect AC loads. (STEP 9)
3. Close all circuit breakers, disconnect switches, or insert fuse into fuse holder. (STEP 10)
4. Put the AC Output Mode Switch in the ON (or REMOTE) position. (STEP 11)

Power DOWN Sequence:

1. Put the AC Output Mode Switch in the OFF position.
2. Disconnect AC loads.
3. Open all circuit breakers, disconnect switches, remove fuses from fuse holders.
4. Disconnect Battery/Battery Bank.