SOLARLOK GROUNDING CLIP
INSTALLATION ACCESSORIES

SOLARLOK grounding system enables every installer to ground the PV system in a professional way and creates flexibility at the installation. The system contains various bolt and clip solutions.

Applications
• Solar panels
• Solar inverters
• Micro inverters
• DC optimizers

Electrical
• Meets the tough requirements of photovoltaic grounding applications and the 2008 National Electrical Code.

Mechanical
• Meets the tough requirements for grounding applications for solid copper wire.
• 12 AWG applications will withstand 70lbs pull while the 10 AWG applications will withstand 80lbs pull

Specifications
• Instruction Sheet: 408-10160
• Product Specifications: 108-2312
• Application Specifications: 114-13203 / 114-106114

Materials
• Housing: Durable PBT 30% glass filled polyester. Material is outdoor & UV rated
• Contact: High conductivity, copper

Benefits
• Product comes as an assembled kit that includes an attachment screw
• Contact design provides 4 points of contact to the ground wire for high reliability
• Product is easy to install with simple tools that are readily available
• Removal of the installed ground wire requires a screwdriver, this meeting the tooled extraction requirements
• RoHS compliant
## Product Selection Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Screw</th>
<th>Nut</th>
<th>Package Quantity</th>
<th>Wire Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1954381-1</td>
<td>#10-32 THREAD CUTTING</td>
<td>NONE</td>
<td>100</td>
<td>10-12 AWG</td>
</tr>
<tr>
<td>1954381-2</td>
<td>#8-32 PAN HEAD</td>
<td>#10-32 UNF</td>
<td>100</td>
<td>10-12 AWG</td>
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<tr>
<td>1954381-3</td>
<td>#8-32 PAN HEAD</td>
<td>#8-32 STAR WASHER NUT</td>
<td>100</td>
<td>10-12 AWG</td>
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<tr>
<td>1954381-4</td>
<td>#8-32 LONG SHARK</td>
<td>NONE</td>
<td>100</td>
<td>10-12 AWG</td>
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<tr>
<td>1954381-5</td>
<td>#10-32 THREAD CUTTING</td>
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<td>100</td>
<td>6 mm²</td>
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## Dimensions

### 3 Easy Steps to Ground Your PV System

1. **Step 1:** Insert the #8-32 Pan Head Screw into the clip.
2. **Step 2:** Tighten the #10-32 Thread Cutting Screw to secure the ground.
3. **Step 3:** Ensure the Closed Position for proper grounding.
SOLARLOK GROUNDING BOLT
INSTALLATION ACCESSORIES

SOLARLOK grounding system enables every installer to ground the PV system in a professional way and creates flexibility at the installation. The system contains various bolt and clip solutions.

Applications
• Solar panels
• Solar inverters
• Micro inverters
• DC optimizers

Benefits
• Rugged and compact hex bolt design made from stainless steel
• Quick and easy mounting procedures.
• Bottom edge feature cuts through the anodized aluminum surface when securing the hex bolt to the module frame Standard tooling can be used with the hex nuts

Electrical
• Short Term Current Test (UL 467):
  6 AWG = 1530A (6 seconds)
  8 AWG = 1180A (4 seconds)
  10 AWG = 750A (4 seconds)
  12 AWG = 470A (4 seconds)

Mechanical
• Securness Test (ui 486A-B):
  6 AWG = 18lbs (30 minutes)
  8 AWG = 8lbs (30 minutes)
  10 AWG = 5lbs (30 minutes)
  12 AWG = 5lbs (30 minutes)

• Pull out Test (ul 486A-B):
  6 AWG = 100lbs (1 minute)
  8 AWG = 90lbs (1 minute)
  10 AWG = 80lbs (1 minute)
  12 AWG = 70lbs (1 minute)

Specifications
• Instruction Sheet: 408-10262
• Product Specifications: 108-2380

Materials
• Connector & Hardware: Stainless Steel (Passivated)
Product Selection Information

<table>
<thead>
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<th>Part Number</th>
<th>Description</th>
<th>Thread</th>
<th>Dim “A”</th>
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<td>2058729-1</td>
<td>6-12 AWG</td>
<td>#8-32 UNC</td>
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<td>500</td>
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<td>2106831-1</td>
<td>LONG SHANK 6-12 AWG</td>
<td>#10-32 UNF</td>
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Dimensions

Top View

Side View

Bottom View

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