



## 1. Product Name

- AceClamp Solar Kit:
  - One AceClamp A2 (5056 A2-1)
  - One Solar Kit (081201)

**Note:** For additional parts and accessories to make it a system, please refer to the link on [this page](#).

## 2. Manufacturer

PMC Industries, Inc.  
87 Spring Lane  
Plainville CT 06062

Phone: 860-351-0686  
Fax: 860-351-0689

Email: [info@aceclamp.com](mailto:info@aceclamp.com)

Web: <http://www.aceclamp.com/Solar-Attachment-Kits>

## 3. Product Description

### Basic Use

As a rackless-type hold-down, the AceClamp A2 along with the Solar Kit offers a low cost alternative to secure PVs (Photo-voltaic Panels) to SSMRs (standing seam metal roofs). The serrated top and bottom flanges capture the PV panel and bonds the panel's frame to the adjacent PV panel and to the clamp. End supports are spacers to compensate for thicknesses of various PV panels. The AceClamp A2 also has an integrated stainless steel grounding sleeve (UL467) which allows the securement of a copper wire if required by local building code. The same AceClamp can also be used with a L-Foot bracket design for attachment of rail systems used in other types of PV installations

### Composition and Materials

Most of the product is AL (aluminum 6061). Clamps can be ordered in stainless steel, (300 Series), or brass, (B16/16M-10) for copper roof applications.

### Benefits

- Manufactured in the US, readily available
- Significant savings without the need for rails
- Certified staff with convenient in-house training
- Instant support from in-house engineering services
- Shipped fully assembled; saves time and lowers real cost
- Designed specifically for contractor needs and profitability
- Installs in fraction of the time due to non-rail system design
- Clamps have no set screws to mar the panel finish and jeopardize the warranty



- Reduce loss and waiting time: inventory your clamps with PMC Industries, Inc. for just-in-time shipping to jobsites
- Rigorous testing by registered third-party labs ensures quality and performance

### Product Limitations

- Product is to be used as specified from the manufacturer; AceClamps are not a personal restraint nor meant to be used as a security safety anchor
- Product should be installed by a professional and/or licensed electrician to local code standards

### Colors/Finishes

#### Colors

- Most products come in stock aluminum without any finishes or coatings, fasteners are typically stainless steel
- Black oxide finish available upon request
- Contact AceClamp for specific product coating information
- All AceClamp aluminum products can be powder coated to a customer's specific color match; PMC Industries, Inc. uses the Classic RAL System, a standard color system for paint and coatings used for architecture, construction and to ensure road safety

#### Finish

- Products are tumbled so they present a smooth, no burr edge, matte finish

## 4. Technical Data

### Applicable Standards

#### ASTM International (ASTM)

- **ASTM A582/12** Standard Specification for Free-Machining Stainless Steel Bars
- **ASTM A666-10** Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate and Flat Bar
- **ASTM B16/B16M-10** Standard Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines
- **ASTM B209** Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate
- **ASTM B221** Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tube

#### Factory Mutual Approvals (FM)

- **FM Approval 4471** [applies to M/L Clamp only]

#### UL LLC

- **UL 2703** Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
- **UL 467** Grounding and Bonding Equipment

#### International Standards Organization (ISO)

- **ISO 9001:2008** Adherence to GMP (Good Manufacturing Practices) and overall QMS (Quality Management Systems) provides the framework to establish a continuous improvement environment, which includes quality planning requirements along with policies, objectives and quantifiable targets

### Cautions

Follow manufacturer's installations and torque specifications.

### Environmental

All AceClamp products are 100 percent recyclable contributing to potential reductions in solid waste stream management.

### Weight-bearing Information

Please consult with PMC Industries, Inc. for both wind shear and regional snow load calculations.

## 5. Installation

PMC Industries, Inc. provides installation instructions for the solar panel systems. Please contact manufacturer for complete information.

Complete installation instructions for the clamps and solar systems are here.

## 6. Availability and Cost

Please contact manufacturer for availability and pricing.



## 7. Warranty

PMC Industries, inc. provides a 20-year limited warranty for AceClamp A2 materials and manufacturing defects. Please contact PMC Industries, Inc. for complete information.

## 8. Maintenance

Due to high winds and/or heavy snow loads, periodically check clamp position for shifting. If needed, re-torque clamps as required, follow directions in the installation instruction booklet. Check positioning and security of all wiring periodically.

## 9. Technical Services

On-site engineering support is available. Phone support is available at 860-351-0686.

## 10. Filing Systems

- ConstructConnect
- CAD files
- Additional product information is available from the manufacturer upon request ↪