



First Solar Series 6 Mid and End Clamp Installation Instructions with Galvanized Purlins only

Burndy LLC recommends that the sufficient details of the installation be submitted to the AHJ for approval before any work is started.



The BMC family of products can be used to bond anodized aluminum, galvanized steel, steel and other electrically conductive metal structures. All installations shall be in accordance with NEC requirements in the USA and with CSA C22.1 in Canada. The BMC clamps are for use with modules that have a maximum fuse rating of less than 25A.

Installation Procedure - End Clamp:

1. Place module in desired location, then insert tapered end of clamp into FS6 mounting slot.
2. Insert 1/4-20 bolt through purlin mounting hole and thread into clamp.
3. Torque fastener to a minimum of 6ft-lb / 8.2N-m

Installation Procedure - Mid Clamp:

1. Mid Clamp - After securing one side of the module, fully insert tapered end of clamp into FS6 mounting slot.
2. Insert 1/4-20 bolt through purlin mounting hole and thread into clamp loosely.
3. Slide second module onto the tapered end of the 2 clamps as shown in Figure 1
4. Torque fastener to a minimum of 6ft-lb / 8.2N-m

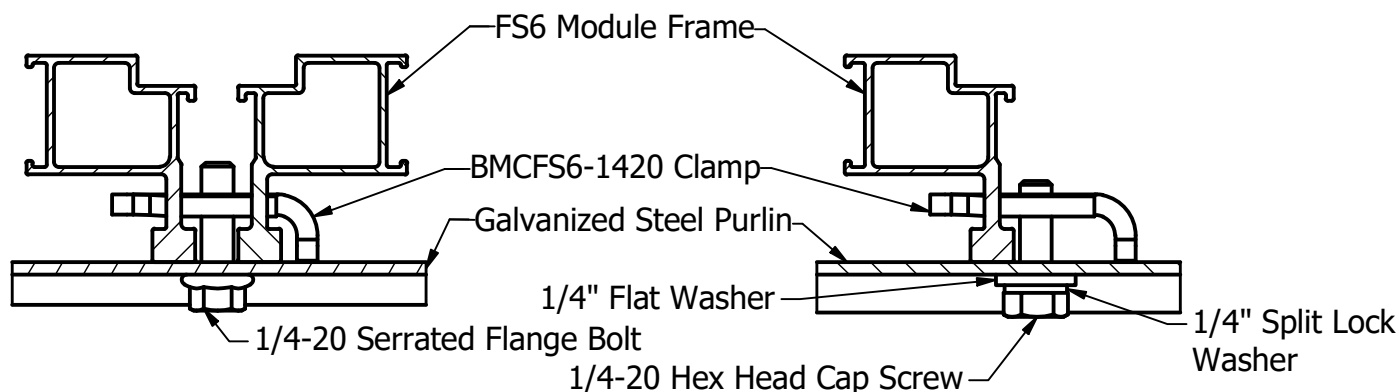


Fig 1: Mid Clamp with Flange Bolt

Fig 2: End Clamp with Washers

Important notes:

1. Either hardware stack is acceptable for both mid and end clamp application.
2. The NEC section 690.43 states "Exposed non-current carrying metal parts of module frames, equipment, and conductor enclosures shall be grounded in accordance with 250.134 or 250.136(A) regardless of voltage".



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Products are tested to UL 2703
US/ Canadian standard for PV Mounting Systems.

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