

ClickFit

COMPLETE RAIL-BASED RACKING SYSTEM

INSTALLATION MANUAL

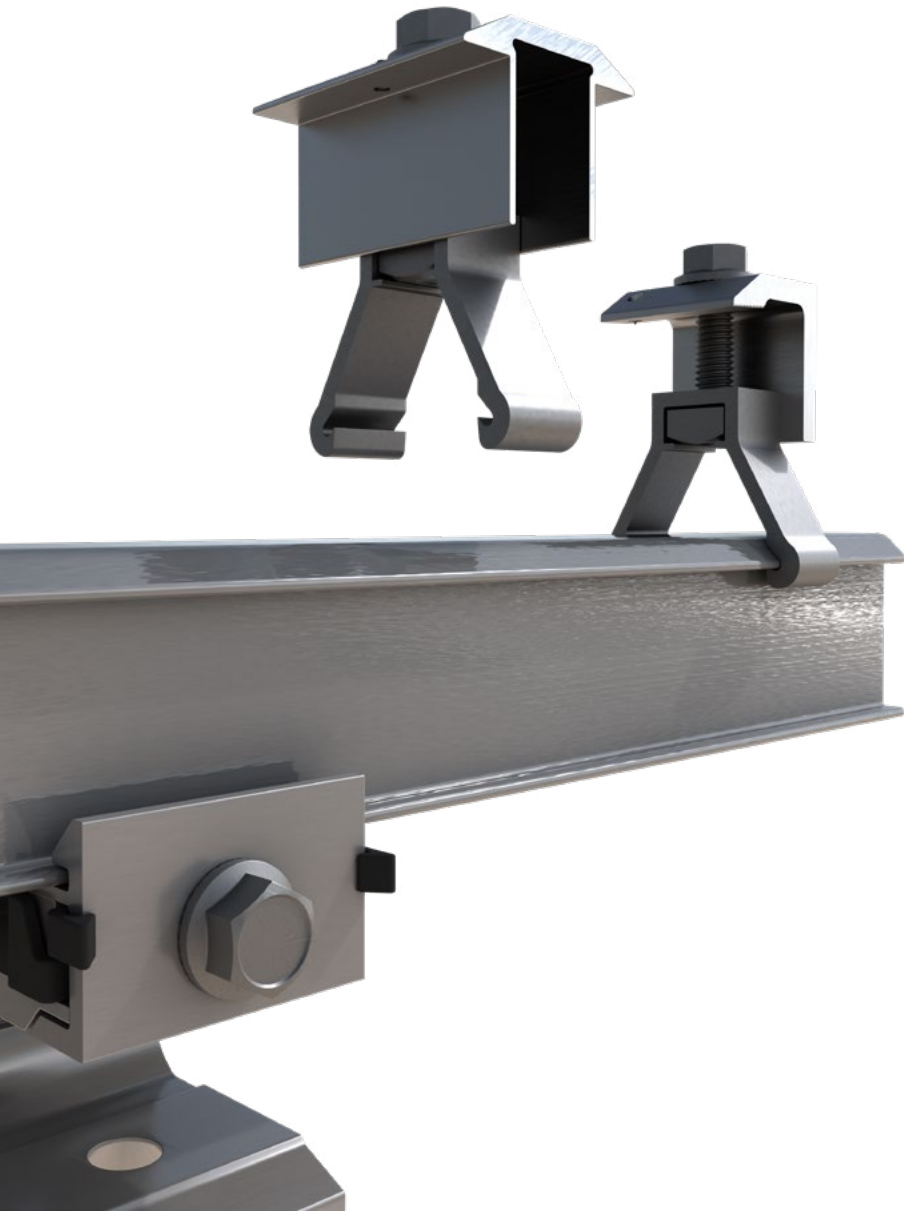
REVISION DATE: 06/29/26

VERSION: A



TABLE OF CONTENTS	PAGE 01	ARRAY LAYOUT	PAGE 07
FEATURES & BENEFITS	PAGE 02	INSTALLATION	PAGE 08
DISCLAIMER	PAGE 03	GROUNDING	PAGE 17
COMPONENTS	PAGE 04	ACCESSORIES	PAGE 19
RATINGS	PAGE 05	MODULE SERVICE	PAGE 23
TOOLS AND TORQUE	PAGE 06	COMPATIBLE MODULES	PAGE 24

Clicking the page name will take you to that page



CLICKFIT

ClickFit conforms to UL 2703 and is one of the fastest installing rail-based systems in the industry. Thanks to its Click-In Rail assembly, the rails can be connected to a variety of metal roof specific mounts in seconds. The ClickFit system is made of robust materials, to ensure longevity. ClickFit has been tested in extreme weather conditions including wind, fire, and snow.

FEATURES

- Fully integrated bonding
- Click-on Mid & End Clamps
- Compatible with standing seam, trapezoidal and corrugated metal roof types

DISCLAIMER

This manual describes proper installation procedures and provides necessary standards required for product reliability. Warranty details are available on the website. All installers must thoroughly read this manual and have a clear understanding of the installation procedures prior to installation. Failure to follow these guidelines may result in property damage, bodily injury or even death.

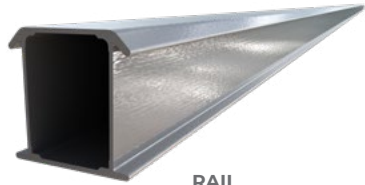
IT IS THE INSTALLER'S RESPONSIBILITY TO:

- Ensure safe installation of all electrical aspects of the array. All electrical installation and procedures should be conducted by a licensed and bonded electrician or solar contractor.
- All work must comply with national, state and local installation procedures, product and safety standards, including the proper use of PPE.
- Comply with all applicable local or national building and fire codes, including any that may supersede this manual.
- Ensure all products are appropriate for the installation, environment, and array under the site's loading conditions.
- All accessible and exposed rail ends shall be smoothed out to be free of burrs and sharp edges, and installers shall wear cut resistant gloves when handling rails.
- Use only PanelClaw parts or parts recommended by PanelClaw; substituting parts may void any applicable warranty.
- Review the Racking Construction Set to confirm design specifications.
- Ensure provided information is accurate. Issues resulting from inaccurate information are the installer's responsibility.
- Ensure bare copper grounding wire does not contact aluminum and zinc-plated steel components, to prevent risk of galvanic corrosion.
- If loose components or loose fasteners are found during periodic inspection, re-tighten immediately. Any components showing signs of corrosion or damage that compromise safety shall be replaced immediately.
- Ensure bare copper grounding wire does not contact aluminum and zinc-plated steel components, to prevent risk of galvanic corrosion.
- If storage onsite is unavoidable, remove the plastic and/or cardboard wrapping from the exterior of the packaging and cover with canvas or place

components under an open sided tent. Note the use of a plastic cover does more harm than good as it prevents the product from breathing and causes condensation. Storing parts in any other manner is at the customer's own risk. PanelClaw is not liable for claims related to improper storage and any such claims are not covered by the product warranty.

- Provide an appropriate method of direct-to-earth grounding according to the latest edition of the National Electrical Code, including NEC 250: Grounding and Bonding, and NEC 690: Solar Photovoltaic Systems.
- Disconnect AC power before servicing or removing modules, AC modules, microinverters and power optimizers.
- Review module and any 3rd party manufacturer's documentation for compatibility and compliance with warranty terms and conditions.
- Module mounting rails shall not be used as scaffolding, a roof jack, or any form of an anchoring point for roof personnel.
- Ensure that the roof is in good condition prior to installing any PanelClaw components.
- Each PV system is unique and is frequently made up of multiple sub arrays. The Racking Construction Set, which must be onsite at all times during construction, details sub array dimensions and location on the roof. Review the Racking Construction Set in its entirety to prevent unnecessary rework during site construction.
- The furthest extent of the racking components or modules of adjacent sub arrays, whichever defines the outermost array boundaries, must be separated by at least the minimum dimensions documented in the Racking Construction Set. Refer to the general notes and the Minimum Clearance Requirements table, if present, within the Racking Construction Set.

REQUIRED SYSTEM COMPONENTS CLICKFIT SYSTEM



RAIL
2000882



RAIL
SPLICE
2000877



MID CLAMP
5000556
5000558



END CLAMP
5000557
5000559

METAL ROOF ATTACHMENT* CORRUGATED & TRAPEZOIDAL METAL ROOFS



UNIVERSAL L-FOOT
WITH CLICKER
5000541



CORRUSLIDE
5000550

METAL ROOF ATTACHMENT* STANDING SEAM METAL ROOFS



UNIVERSAL L-FOOT
WITH CLICKER
5000541



SIMPLEBLOCK-U
5000551

OPTIONAL ACCESSORIES EBOS & WIRE MANAGEMENT



SIDE CLIP
(30MM, 32MM, 35MM &
40MM)
4011021/ 4011022/ 4011023



UNIVERSAL
SIDE CLIP
4011024



CF WIRE MANAGEMENT
CLIP
2000867



MLPE
MOUNT
5000548/5000549



WIRE MANAGEMENT
CLAMP
5000552



GROUNDING
LUG KIT
5000594

RATINGS

Type	Description
Fire Rating	Class A* and B** System Fire Rating
Max System Voltage	1500 VDC
Max Fuse Rating	40A
Certification	Conforms to UL STD 2703
Warranty	25 Year Material and Workmanship
UL 2703 Markings	Markings are located on End Clamp
Roof Pitch	2:12 – 21:12
UL 2703 Allowable Design Load Rating	10 psf downward, 5 psf upward, and 5 psf lateral
Max Module Size	30.5 sqft
Module Orientation	Portrait
Multiple use Rated Components (Position Independent)	End Clamp, Mid Clamp, Frame MLPE Mount and MLPE Mount
UL 1565 Positioning Device Ratings Conforms to UL STD 1565 Certified to CSA C22.2#18.5	- CF Wire MGT Clip and CF Wire MGT Clamp & Side Clips - Operating Temperature Range: -35 to 90C - Maximum Load: 10lbs - For outdoor use
UL 3741 Listing	Refer to PanelClawClickFit UL 3741 PV Hazard Control Installation Addendum for full ratings, approved equipment, components and installation requirements

*Class A System fire rating with Steep and Low Slope roofs and Type 1, 2, 3, 4, 5, 13, 19, 25, 29, 30 and 38 PV modules with no skirt required. Class A System fire rating with Steep Slope Roofs and Type 4 and 5 modules with south edge skirt required. Any roof-to-module gap is permitted. This rating is applicable with any roof attachment.

**Class B System fire rating with Steep Slope roofs and Type 4 and 5 modules, no skirt required. Any roof-to-module gap is permitted. This rating is applicable with any roof attachment.

MARKINGS:



**MARKINGS LOCATED
ON END CLAMP**



**5028986, 5017913, 5030706,
CONFORMS TO UL STD 2703**

TOOLS & TORQUE SETTINGS

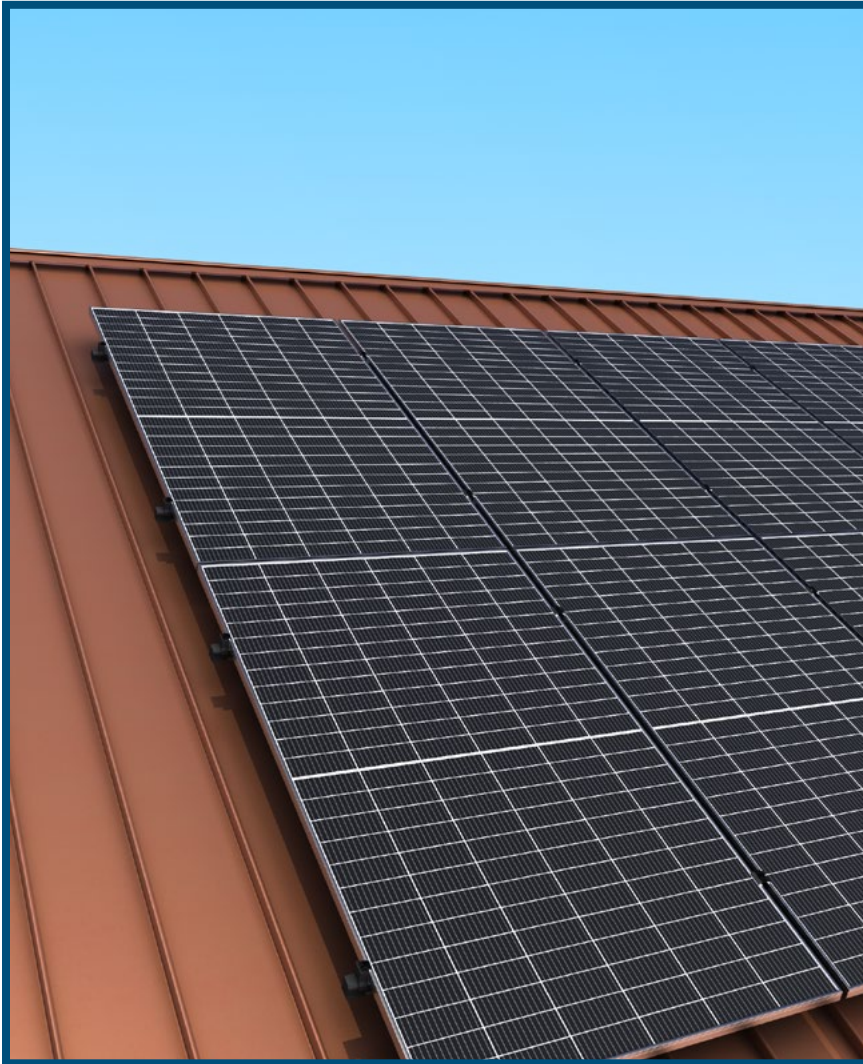
RECOMMENDED TOOLS:

- String line
- Tape measure
- Drivers with 1/2" socket
- Inline torque-limiter or Torque Wrench
- Optional: Portable bandsaw or reciprocating saw



TORQUE SPECIFICATIONS:

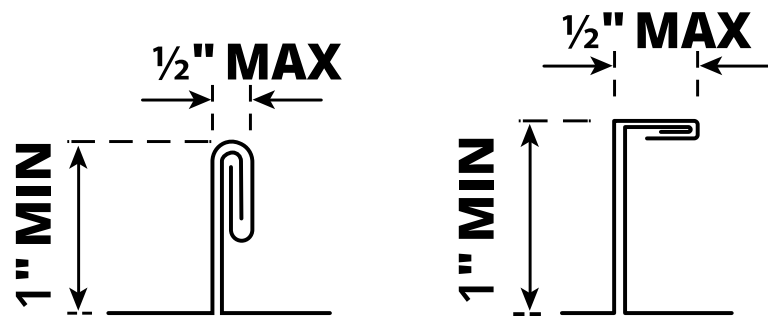
Component	Torque (ft-lb)	Notes
Mid-Clamp	12	
End-Clamp	12	
Rail Clicker Leveling Bolt	12	Pre-torqued upon delivery. Applies to Tile Hook and L-Footer/Clicker
Ground Lug	N/A	Refer to specific ground lug manufacturer's installation manual
MLPE Mount	12	



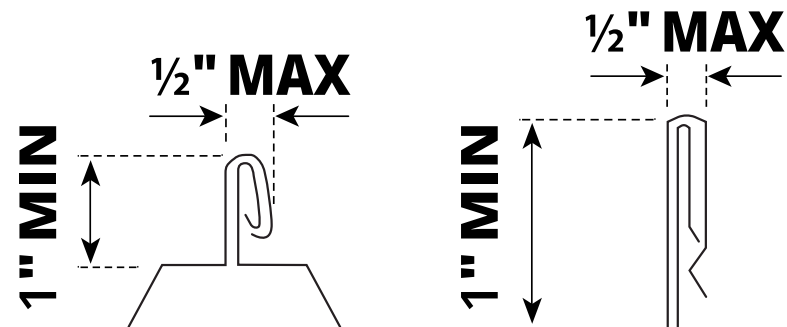
PREPARATION

- Refer to racking construction set available on clawOS, local jurisdiction, or engineer of record specifications when determining setbacks from roof edges, attachment spans, etc.
- Mark the perimeter and corners of the array on the roof surface.
- Draw or snap chalk lines where the rails will be installed. Refer to construction drawing generated in clawOS to determine allowable mounting locations.
- Determine attachment locations within the area of the array based on construction drawing generated in clawOS. It may be necessary to shift the array East or West on the roof in order to fall within the rail cantilever specs (1/3 of span).

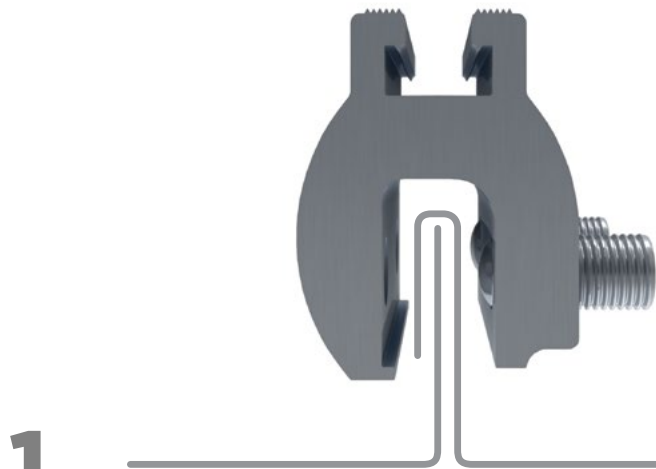
STANDING SEAM METAL INSTALLATION SIMPLEBLOCK-U



FOLDING PROFILES



SNAPPING PROFILES



1.

PRE-INSTALLATION:

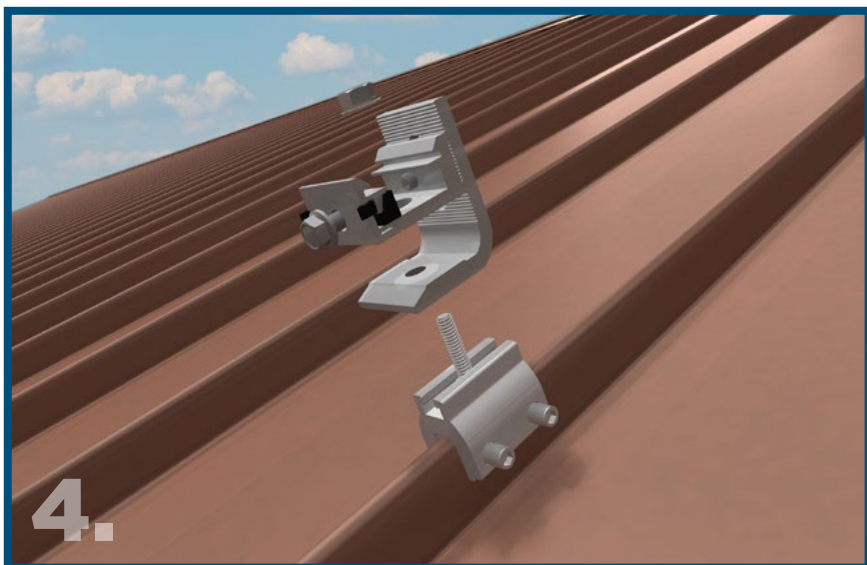
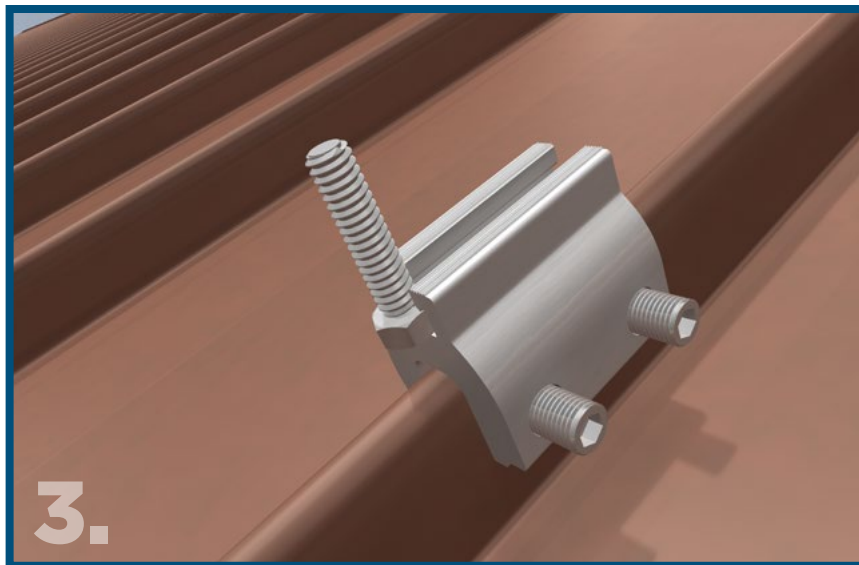
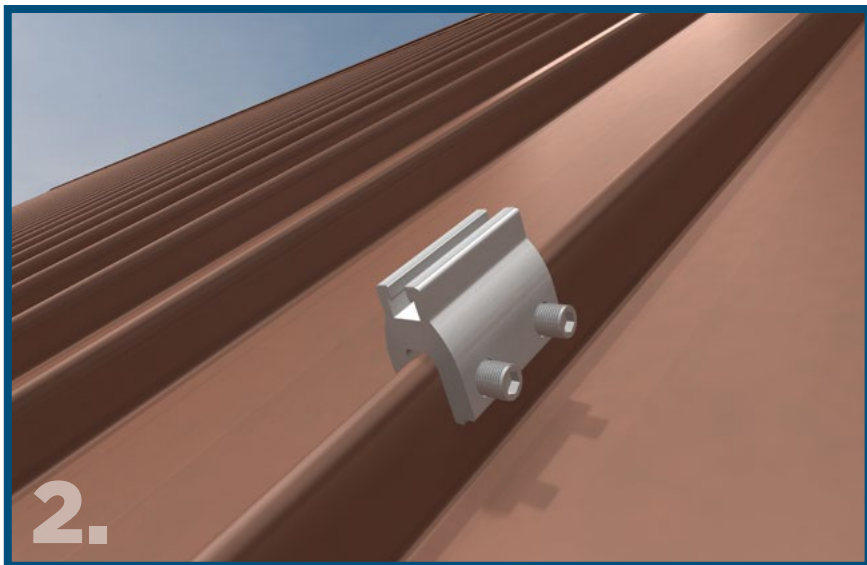
The SimpleBlock-U can be installed on many different standing seam profiles. Be sure that each standing seam is no thicker than 1/2" in width and a minimum of 1" in height.

INSTALLATION:

1. Position the SimpleBlock-U assembly on the panel seam. Make sure the block is fully seated on the metal seam. Torque set screws to 12 ft-lbs using the included 3/16" drive.

STANDING SEAM METAL INSTALLATION

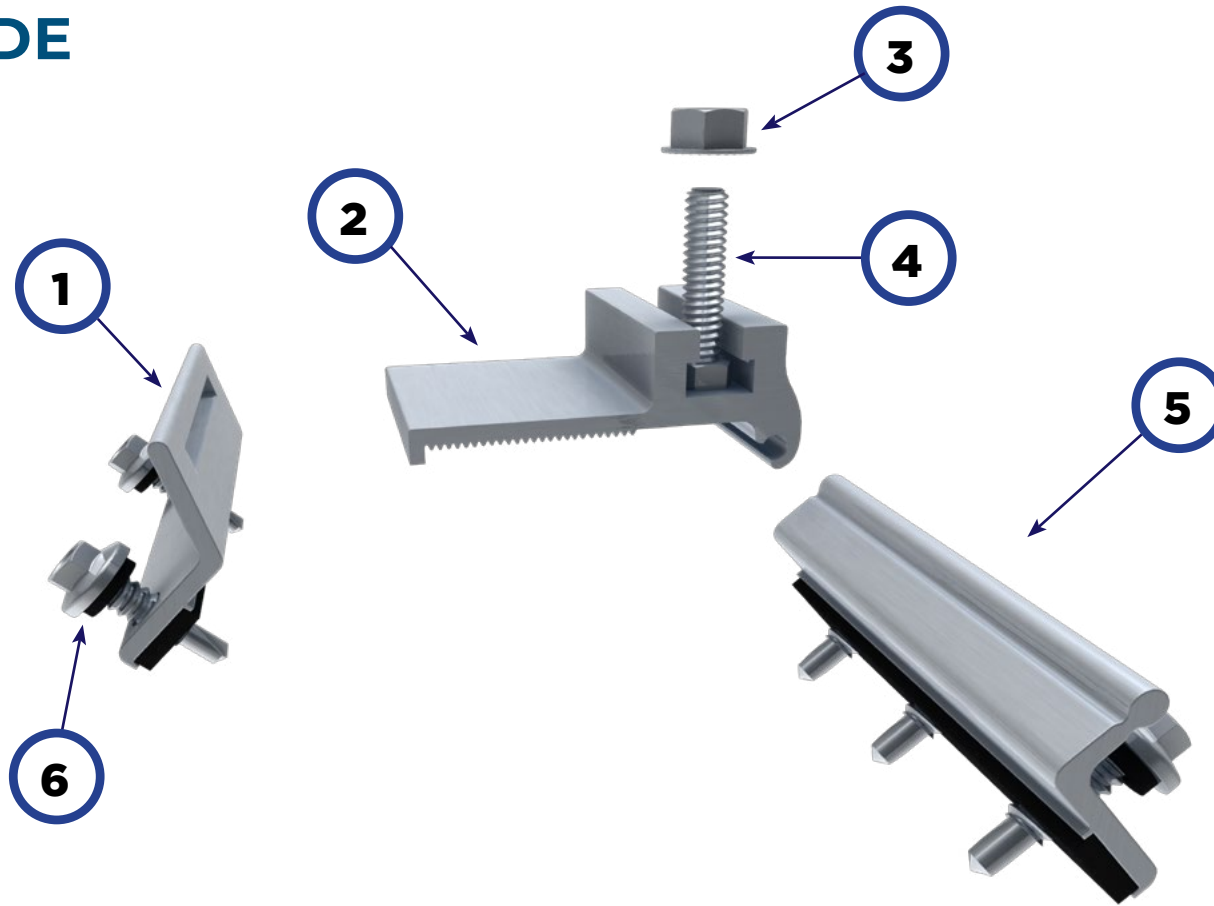
SIMPLEBLOCK-U



2. Slide the included hex bolt into the channel on top of the SimpleBlock-U assembly.
3. Place the ClickFit Universal L-Foot over the hex bolt followed by the serrated flange nut and torque to 12 ft-lbs.
4. Place the ClickFit Universal L-Foot over the hex bolt followed by the serrated flange nut and torque to 12 ft-lbs.

CORRUGATED METAL INSTALLATION

CORRUSLIDE

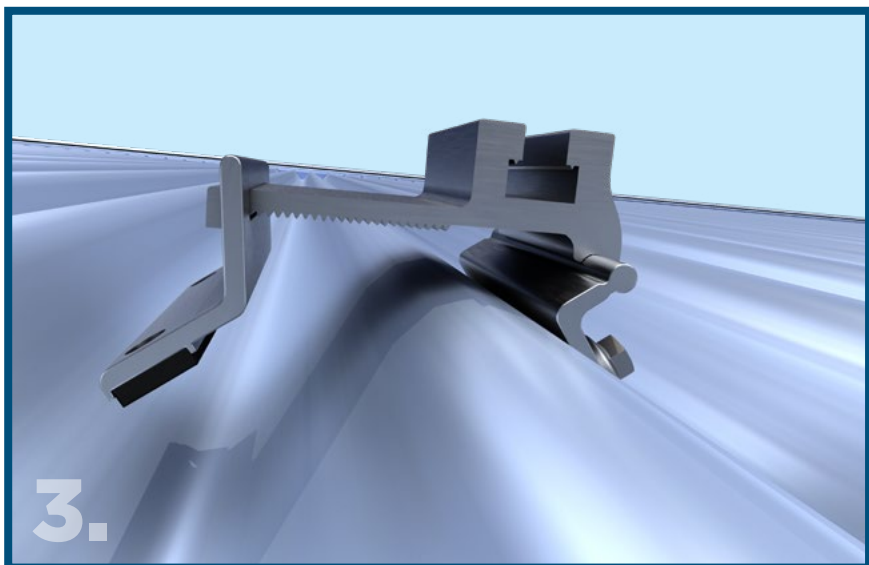
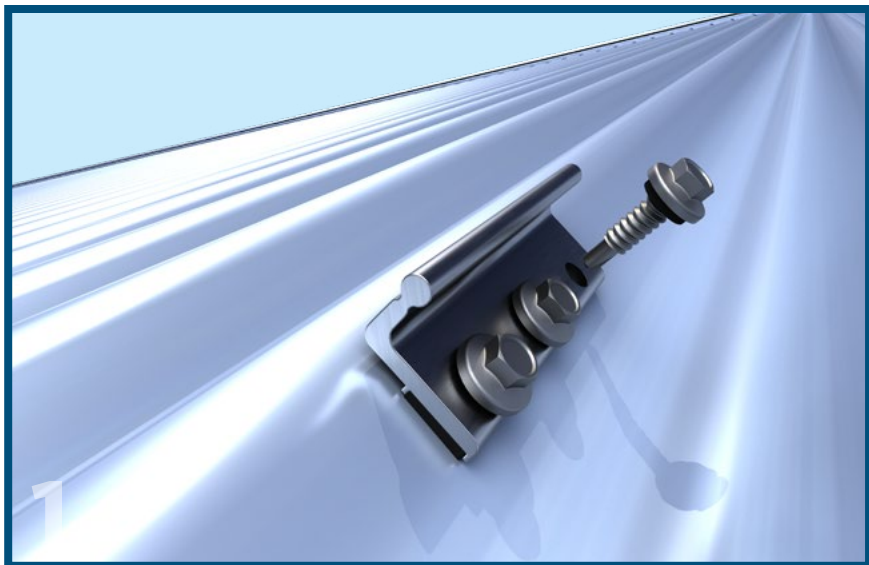


1. Corruslide Slot Bracket
2. Corruslide Top Slide
3. 5/16" serrated flange nut

4. 5/16"-18x1.25 hex bolt
5. Corruslide Flipper
6. 1/4"-14 screw with EPDM bonded sealing washer (5x)

CORRUGATED METAL INSTALLATION

CORRUSLIDE

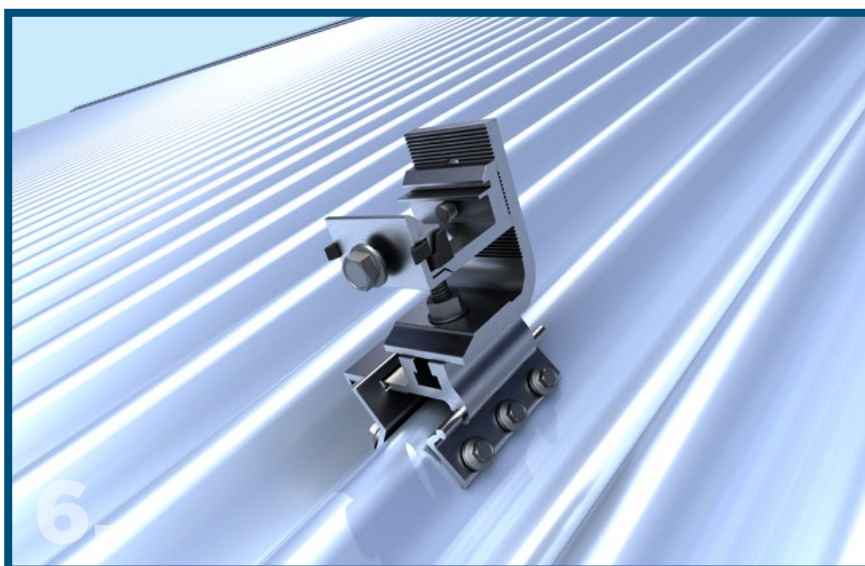
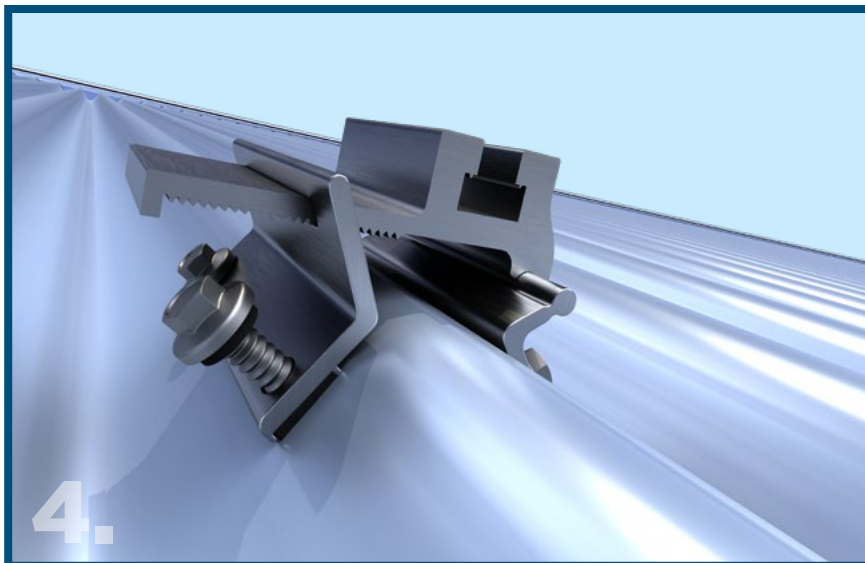


Check one complete CorruSlide assembly on the roof panel for proper fit and mounting location prior to installing the screws.

1. Position the Corruslide Flipper on the side of the roof corrugation, making sure it is fully seated and secure using 3 of the included self drilling screws
2. Tilt the CorruSlide Top Slide upward and slide into place over the installed Corruslide Flipper.
3. Slide the CorruSlide Slot Bracket over the serrated leg of the CorruSlide Top Slide. It is important to adjust the Top Slide so that it is level with the roof. Note that depending upon the roof profile it may be necessary to skip a ridge valley.

CORRUGATED METAL INSTALLATION

CORRUSLIDE



4. Secure the Corruslide Slot Bracket to the side of the roof corrugation using the 2 remaining self drilling screws.
5. Slide the 5/16" hex head bolt into the track on the top of the Corruslide Top Slide.
6. Place the ClickFit Universal L-Foot over the hex bolt followed by the serrated flange nut and torque to 12 ft-lbs.

TESTED OR EVALUATED THIRD-PARTY ROOF ATTACHMENTS:

S-5! Metal Roof Clamps - Certification of metal roof clamps includes bonding to both painted and galvalume metal roofs. Follow all instructions and installation practices outlined by S-5! in their Resources Page.

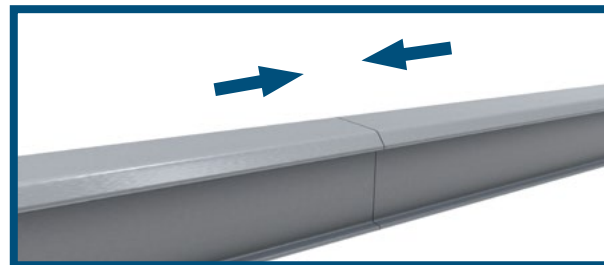
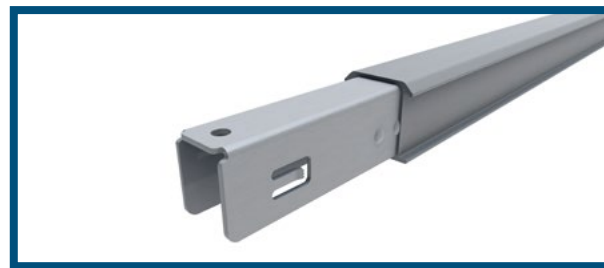
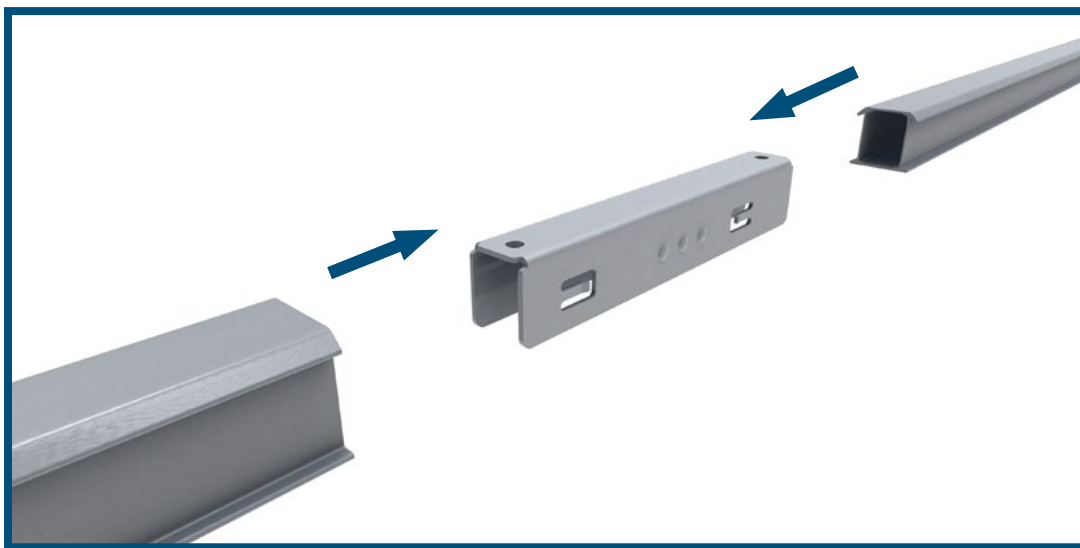
APPROVED S-5! METAL ROOF CLAMPS

S-5-X - Where "X" can be U, S, E, B, T, Z, Q, H, H90, K700, KHD, K Grip, K Grip Snow, N, N 1.5, R465, or V

S-5-Y Mini - Where "Y" can be U, S, E, B, T, Z, Q, H, H90, K Grip, N, N 1.5, R465, or V.

ProteaBracket, RibBracket, SolarFoot

INSTALLING RAIL SPLICES

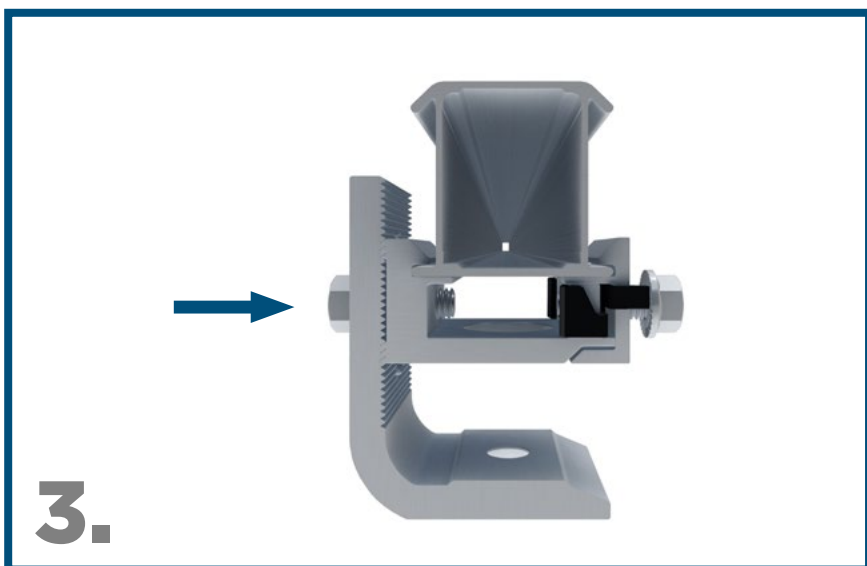
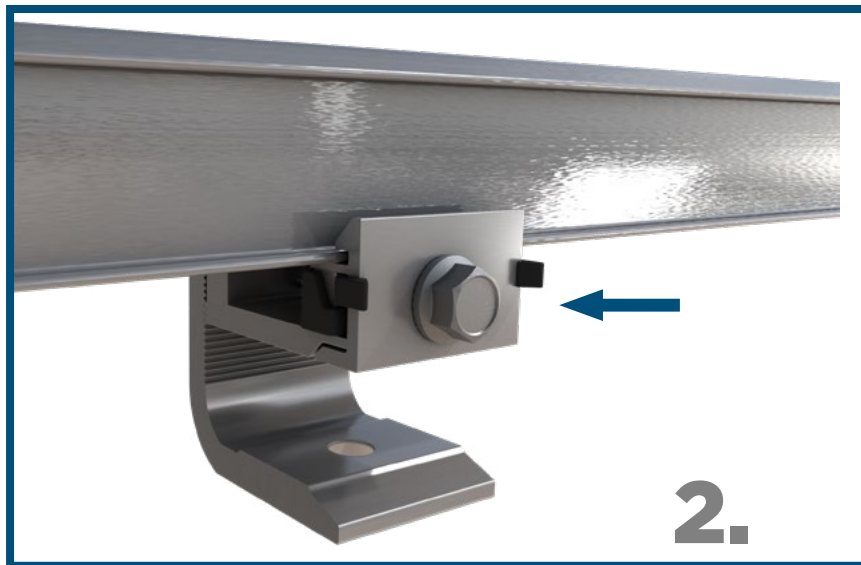
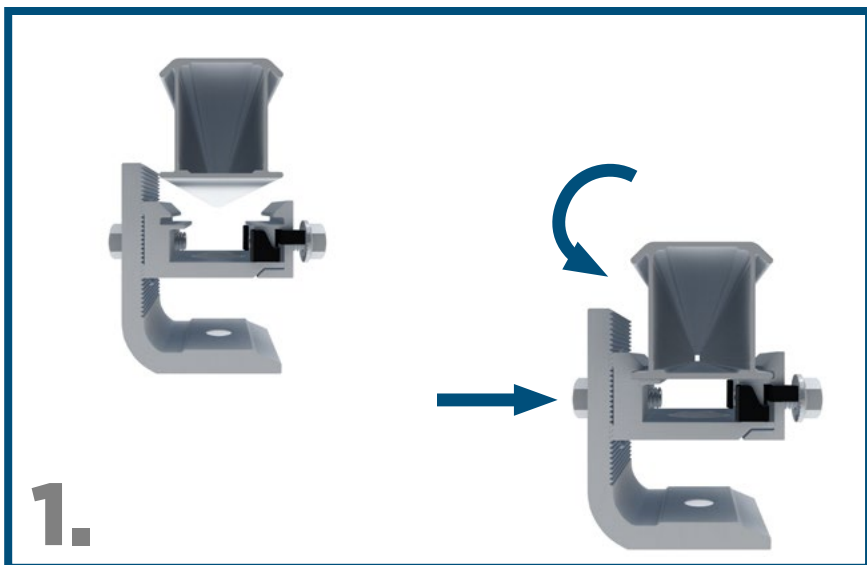


1. Determine the number of rails required per row of modules.
2. Insert a Rail splice into one rail. **Do not push it past the center bump.**
3. Slide the next rail onto the rail splice until the two rail ends meet.
4. Repeat steps 2 and 3 until the desired length is achieved.

THERMAL EXPANSION

- A thermal expansion gap is required per each continuous 90' length of modules.
- Leave a 2" minimum gap between the ClickFit rails when creating a thermal expansion gap
- Bonding across the thermal gap should be accomplished with an approved grounding method.
- The 2" minimum gap is applicable to an installation range of -15°F to 125°F. If the system is being installed outside of that range, the gap may need to be increased.

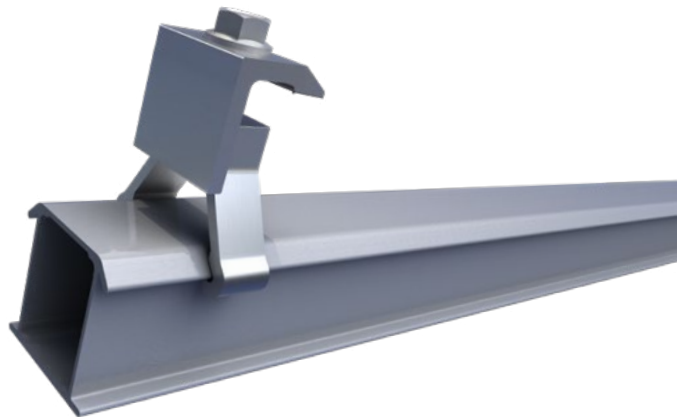
RAIL INSTALLATION



1. Ensure the rails extend a minimum of 2" past the last attachments in each row. Push the rail into the Universal L-foot clicker starting on the side with the plastic clips first, then roll the rail into seated position. Verify the rail is sitting flush with both ledges. If attachments are extremely misaligned it may be necessary to loosen the leveling bolt and adjust the height of the Universal L-foot.
2. Tighten the clamping bolt to 12 ft-lbs.
3. Level the rail if necessary by loosening the leveling bolt and retightening to 12 ft-lbs once the rail and clicker are leveled.

FIRST MODULE INSTALLATION

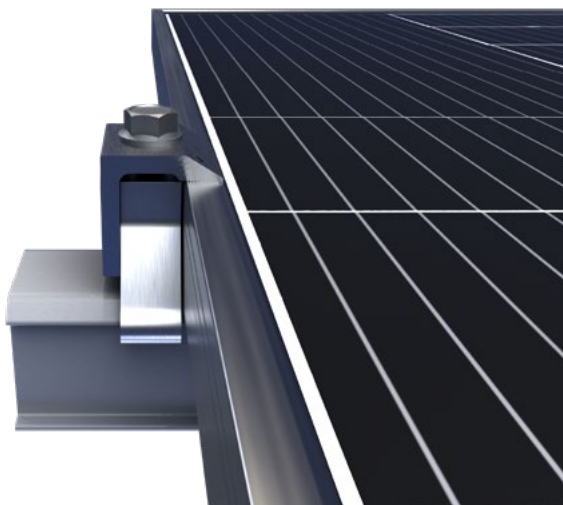
1.



2.

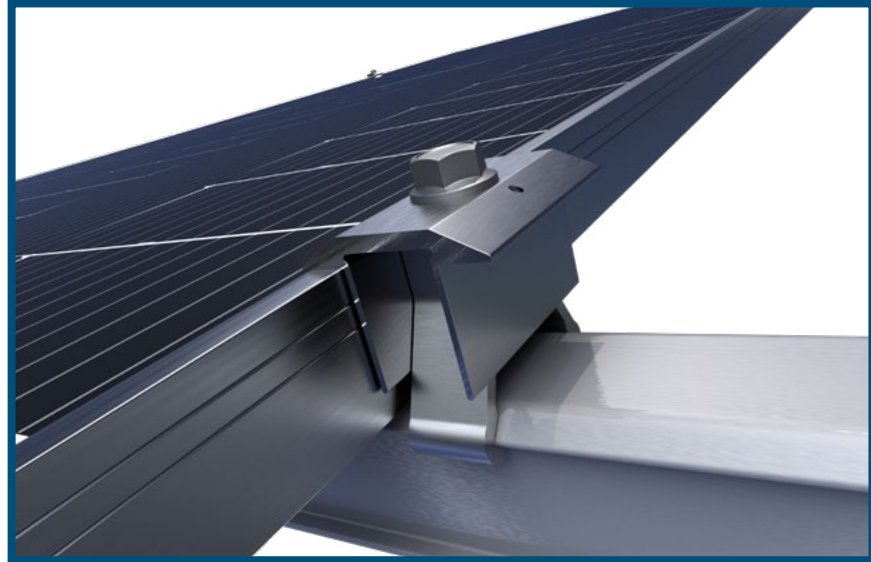
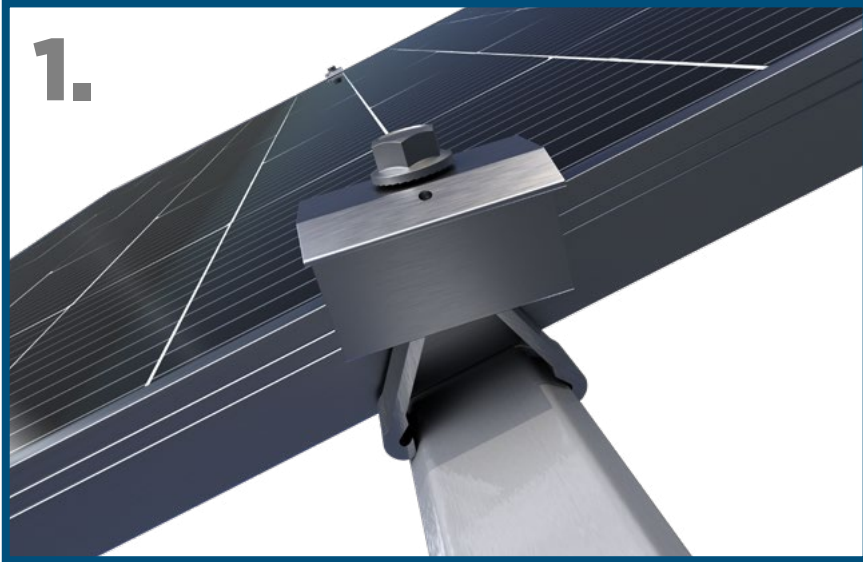


3.



1. With the rails in position and leveled, start by clicking on the end clamps.
2. Place the first module on the rails and slide the module to the End Clamps. Ensure the end of each rail extends a minimum of 0.75" past the module.
3. Tighten the end clamp to 12 ft-lbs. Repeat steps 1-3 for the start of each new row.

INSTALLING ADDITIONAL MODULES

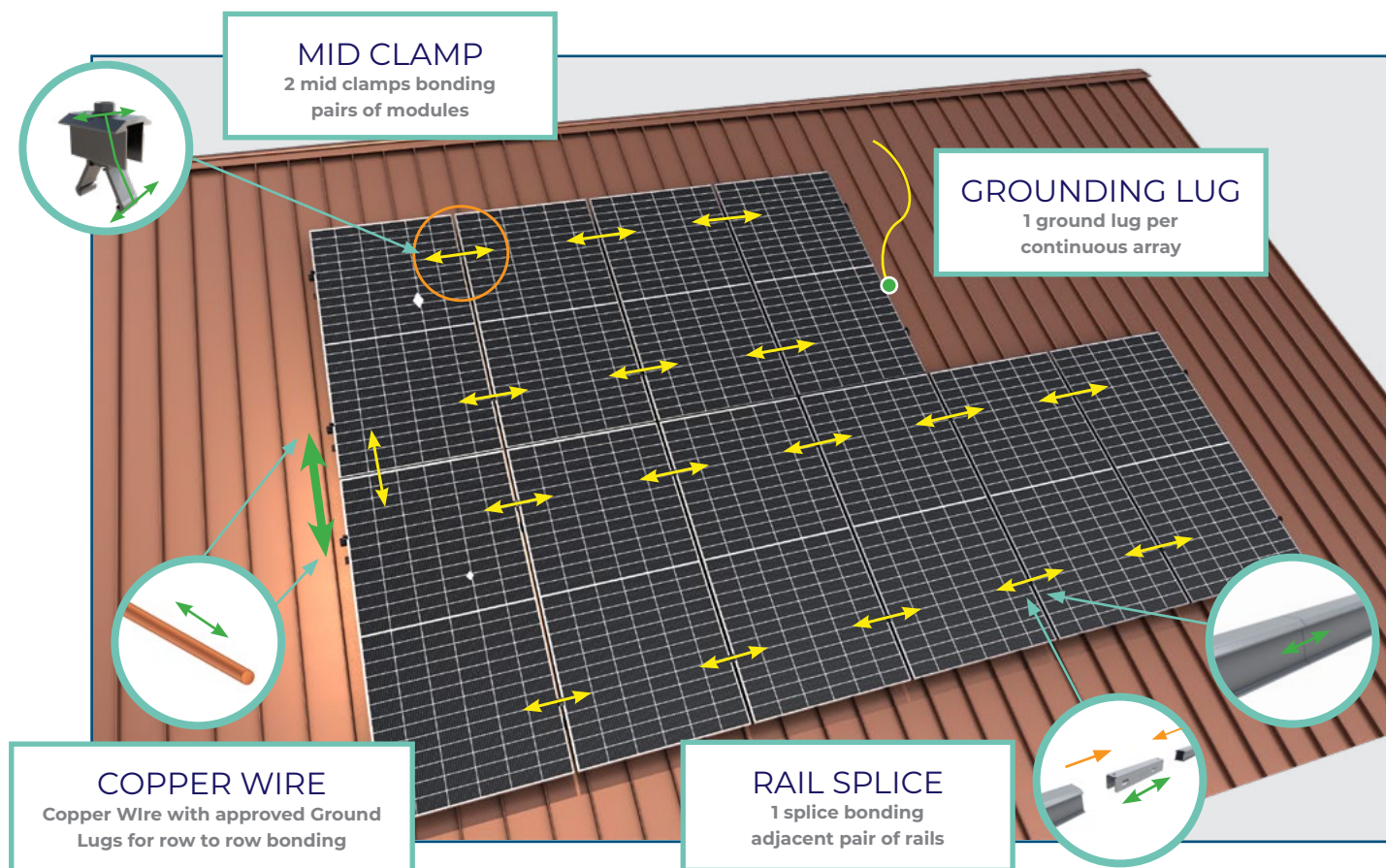


- 1.** Click a mid clamp onto each rail.
- 2.** Slide the Mid Clamps until they are flush with the side of the existing module.
- 3.** Place and slide the next module firmly against the mid clamps. Align the bottom edges of the modules. Tighten mid clamps to 12 ft-lbs.

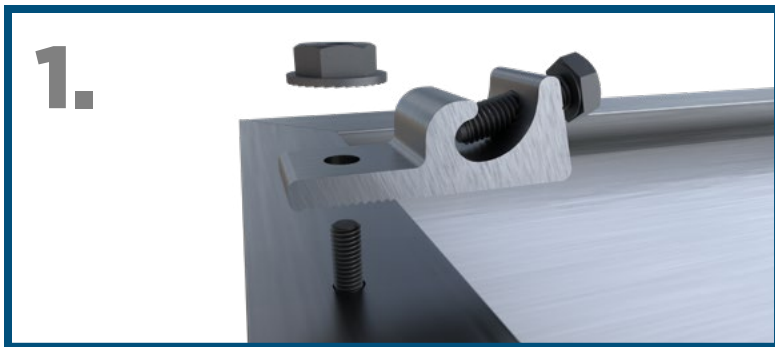
BONDING AND GROUNDING

BONDING PATHS

Bonding paths are carried throughout the array in a variety of ways. They are carried module-to-module and module-to-rail through mid clamps, carried at rail-to-rail connections through the splices, and carried row-to-row using grounding lugs with bare copper.



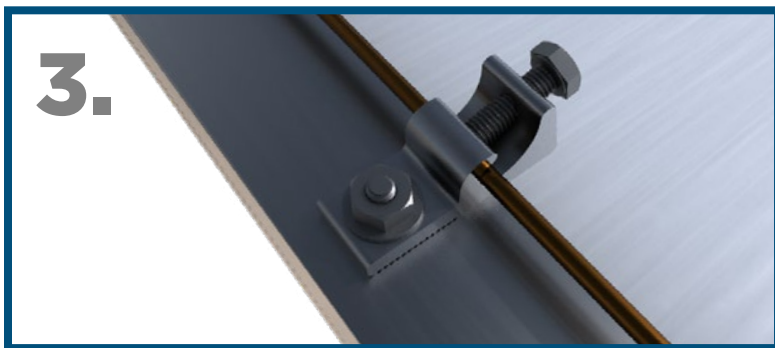
GROUNDING LUG INSTALLATION



1. Install PV the PanelClaw grounding lug (PN: 5000594) or an equivalent UL2703 compliant PV ground lug (see list below) to the grounding lug hole on the module flange using the bolt and flange nut. The allowable wire size range for the PanelClaw grounding lug is 10AWG to 4AWG with an allowable fill of 1 wire



2. Tighten the flange nut using a 10mm nut driver torqued to 5 ft-lbs. Tighten terminal screw to 20 in-lbs.



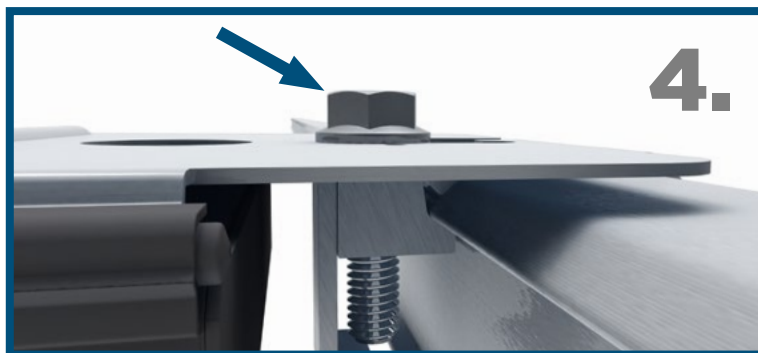
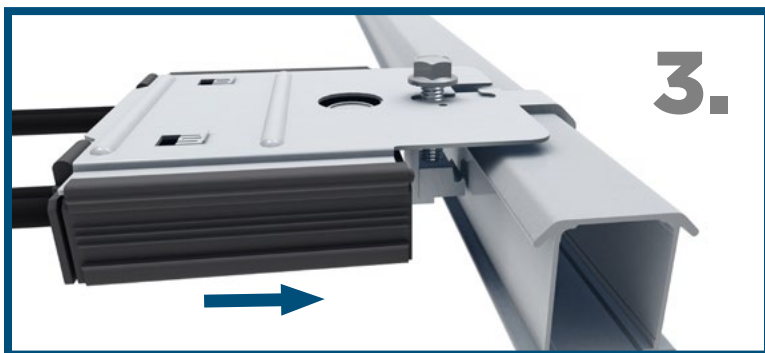
3. Equipment grounding wire should be sized in accordance with the National Electrical Code, NFPA70 and a minimum of 1/4" clearance is required between bare copper wires and aluminum components.

NECESSARY COMPONENTS

**One of the following grounding lugs
(or any UL 2703 Compliant ground Lug):**

- BurndyCL50-1TN Ground Lug
(UL 2703 - E3514343 / UL 467-E9999)
- ILSCO SGB-4 Ground Lug
(UL 2703 - E354420 / UL 467 - E34440)
- ILSCO GBL-4DBT
(UL 2703 - E354420 / UL467 - E34440)
- ILSCO GBL-4DBTH
(UL 2703 - E354420 / UL 467 - E34440)
- ILSCO GBL-4SS
(UL 2703 - E354420 / UL 467 - E34440)

MLPE MOUNT INSTALLATION



1. Lower the MLPE Mount to the rail. Tilt and hook the mount around the top “dog ear” of the rail
2. Set the MLPE Mount flush with the top of the rail

3. Slide the microinverter flange between the MLPE Mount and the serrated bolt flange
4. Tighten the bolt to 12 ft-lbs.

MLPE MOUNT INSTALLATION

MLPE MOUNT IS COMPATIBLE WITH
THE FOLLOWING MLPE DEVICES:



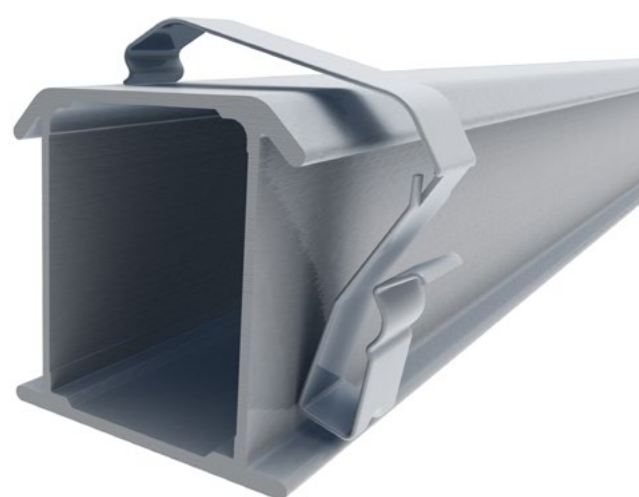
AP Systems	DS3, DS3-H, DS3-L, DS3-S, QS1, QS2, QT2, QT2-208, QT2-480 and YC600 Rapid Shutdown Devices: RSD-S-PLC and RSD-D-20* *Frame mount only. Do not remove clip
Darfon	MIG240, MIG300, G320, G640
Duracell	D350-M1, D350-M1A-xxx, D400-M1A-xxx, D600-M2A-xxx, D700-M2, D800-M2A-xxx, D1500-M4 Where "xxx" can be blank, 208A or 240A
Enphase	M250-72, 250-60, M215-60, C250-72, S230, S280, IQ 6, IQ 6+, IQ7, IQ 7A, IQ 7+, IQ7 PD, IQ 7X, Q Aggregator; IQ8-60, IQ8PLUS-72, IQ8A-72, IQ8AC-72, IQ8H-3P-72, IQ8H-208-72, IQ8H-240-72, IQ8HC-72, IQ8M-72, IQ8MC-72, IQ8P-72, IQ8P-3P-72, IQ8X-80; may be followed by -2-US, -E-US, -M-US, or M-DOM US
Generac	S2502, PM-820
Hiitio	HCM300/400/500SN, HCM300/400/500WN, HCM600/800/1000SN, HCM600/800/1000WN, HCM1600/1800/2000SN, HCM1600/1800/2000WN,
Hoymiles	HMA-xxxYY-ZZ where "A" can be blank or S, xxx can be 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1200, 1500, 1600, 1800 or 2000; "YY" can be NT, IT, 2T, 4T; and "ZZ" can be blank, NA or 208-NA
Hyxi Power	HYX-M300/400/500-S-NA, HYX-M300/400/500-SW-NA HYX-M600/800/1000-S-NA, HYX-M600/800/1000-SW-NA HYX-M1600/1800/2000-S-NA, HYX-M1600/1800/2000-SW-NA
Lunar Energy	Maximizer 10-005220 or 10-00522D
NEP	NEP MICROINVERTERS BDM-xxx-yyy Where "xxx" can be 300, 300X2, 350, 400, 500, 550, 650, 800, 1000, 1200, 1600 or 2000; and "yyy" can be blank, 208A or 240A NEP RAPID SHUTDOWN PVG-1, PVG-2, PVG-3, PVG-4
SMA	RoofCommKit-P2-US, TS4-R Module Retrofit Kits (TS4-R-S, TS4-R-O, TS4-R-F)
Solar Edge	C651U, C652U, M1600, P300, P320, P340, P370, P400, P401, P405, P485, P505, P600, P700, P730, P750, P800p, P800s, P801, P850, P860, P950, P960, P1100, P1101, S440, S500, S500B, S650B, S1200, S1201, U650 and U650B
Tigo	Tigo Access Point (TAP) TS4-R-X (where X can be F, M, O, or S) TS4-R-X-DUO (where X can be M, O, or S) TS4-A-X (where X can be F, 2F, O, O-DUO, or S)
Yotta	DPI 208/480

WIRE CLIP INSTALLATION

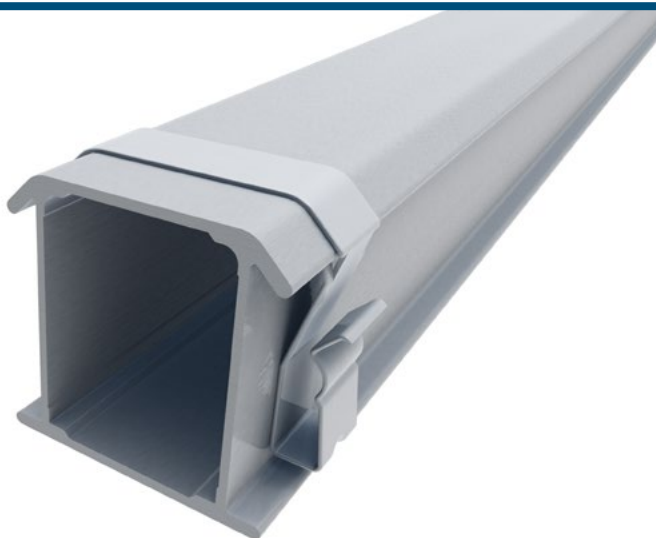
1.



2.



3.



1. Place the wire clip on the rail at the angle shown in diagram 2 - engage the small teeth first and then click onto the rail
2. With the wire end touching the bottom lip of the rail, roll and click-in the Wire Clip to the opposite end of the rail.
3. You will hear an audible click when the Wire Clip is set in place.

NOTE: The ClickFit Wire Clip clicks onto the top of the rail and accommodates 1-3 PV wires (up to 10AWG) or 1 Q cable and 1-2 PV wires (up to 10AWG).

INSTALLING WIRE MANAGEMENT CLAMP



1. Assemble the screw, top, and bottom clamp as shown.

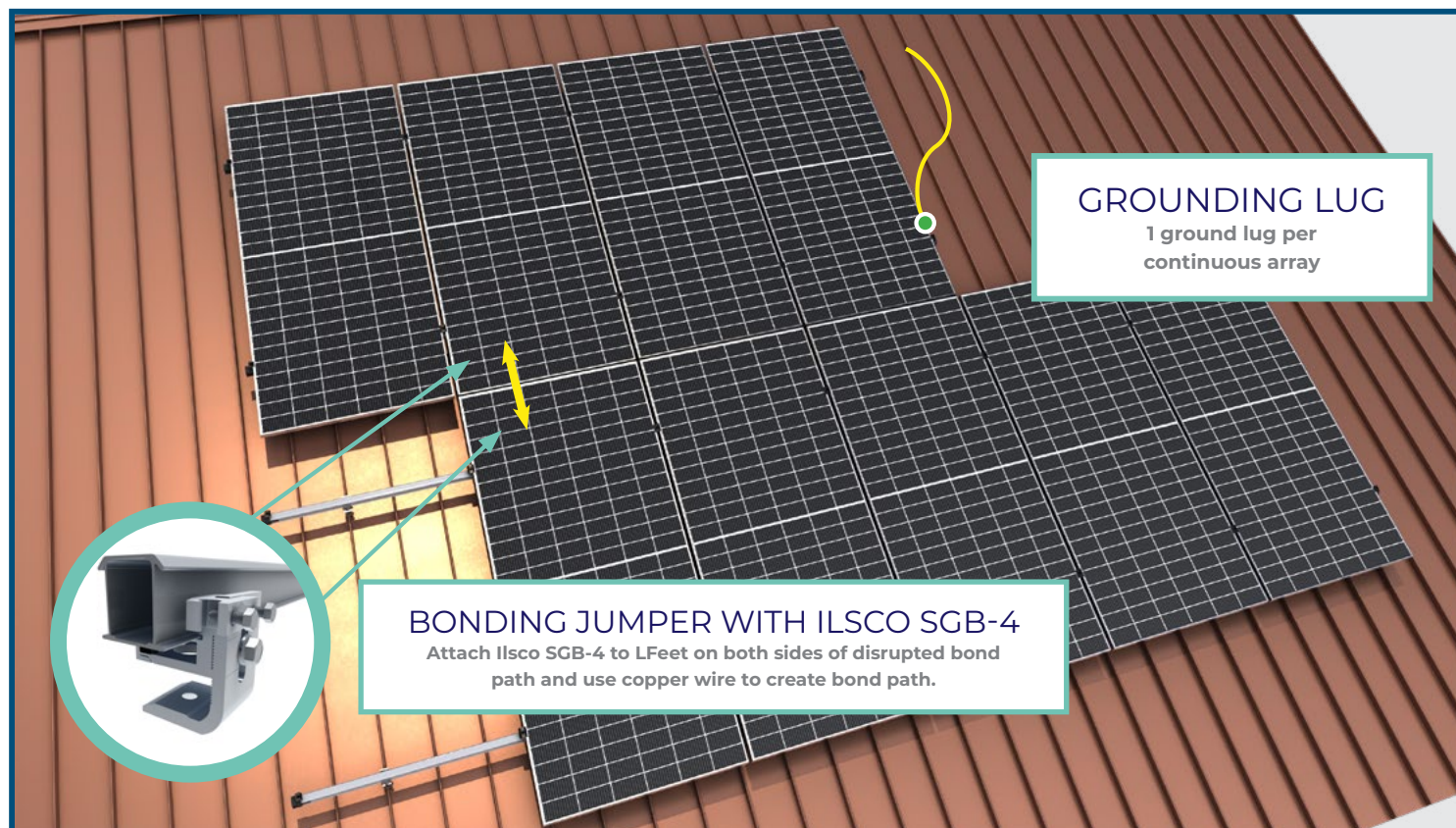
NOTE: The bottom clamp has two vertical columns which help guide and align the top clamp during installation.

2. The clamp can be placed anywhere on the top or side of the rail where needed.
3. Using an 5/16" socket and an impact or drill, drive the self-drilling screw through the assembly and halfway into the rail.
4. Insert the PV wires or Trunk cables into the assembly n either or both sides and fully tighten the self-tapping screw making sure not to strip. Be sure that the clamp is not pinching the wires when fully seated to the rail.

NOTE: The wire clamp can hold up to 4 PV Wires (up to 10AWG) or 2 trunk cables. Although easiest to install the wires after the screw has been slightly inserted into the rail, installers have the flexibility to place wires in the clamp before or after the screw has been drilled through the rail.

MODULE MAINTENANCE & SERVICING

During servicing or maintenance, module removal may disrupt the bonding path and could introduce the risk of electric shock. If a module is removed for servicing that does disrupt the bonding path, use an IlSCO SGB-4 approved for mounting to the L-Foot on either side and use a copper wire as a jumper. Modules should only be removed by qualified persons in compliance with the instructions in this manual.



COMPATIBLE MODULES

The ClickFit System has been tested and evaluated to UL 2703 for bonding, grounding, mechanical loading and fire classification, and may be used to ground and/or mount PV modules listed to UL 1703 or UL 61730. A list of approved modules is included below. Unless otherwise noted, “xxx” refers to the module power rating and both black and silver frames are included in the certification.

TYPE 1, 2, 3, 4, 5, 13, 19, 25, 29, 30 AND 38 MODULES

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Adani	Adani modules with 30, 35 and 40 mm frames ASX-Y-ZZ-xxx Where “S” can be S or blank; “X” can be B, M or P, “Y” can be 6, 7, G12R or M10 and “ZZ” can be blank, 132, 144, PERC, B-PERC, or AB-PERC
AIONRISE	Aionrise modules with 35 and 40 mm frames AIONyyG1-xxx Where “yy” can be 60 or 72
Amerisolar	Amerisolar modules with 35 and 40 mm frames AS-bYxxxZ Where “b” can be 5 or 6; “Y” can be M, P, M27, P27, M30, or P30; and “Z” can be blank, W or WB
AMPS	AMPS modules with 30 and 35 mm frames AMPS-xxxY-ZZZ Where “Y” can be N or P; and “ZZZ” can be 54BB or 108BB
Aptos Solar	Aptos modules with 30, 35 and 40 mm frames DNA-yy-zzaa-xxxbb Where “yy” can be 108, 120 or 144; “zz” can be BF, BFN, MF, or MFN; “aa” can be 10, 23 or 26; and “bb” can be blank, W, W-DG, W-USAp1, W-USAp2 or W-USAp3

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Astronergy Solar	Astronergy modules with 30, 35 and 40 mm frames aaSMbbyyC/zz-xxx Where “aa” can be CH or A; “bb” can be 60, 66, or 72; “yy” can be blank, 10 or 12; “C” can M, P, M(BL), M-HC, M(BL)-HC, P-HC, M(DG), M(DGT), N(DG) or RN(DG); and “zz” can be blank, HV, F-B, or F-BH
ASUN	ASUN modules with 35 and 40 mm frames ASUN-xxx-YYZZ-aa Where “YY” can be 60 or 72; “ZZ” can be M, or MH5; and “aa” can be blank or BB
Auxin	Auxin modules with 35 and 40 mm frames AXNCyzAxxxB Where “C” can be 6, 10 or G1; “y” can be M or P; “z” can be blank, 08, 09, 610, 11, or 612; and “A” can be blank, F, M or T; and “B” can be blank, A, B, C or W
Axitec	Axitec Modules with 30, 35 and 40 mm frames AC-xxxY/aaZZb Where “Y” can be M, P, MB, MBT, MH or TGB; “aa” can be blank, 125-, or 156-; “ZZ” can be 54, 60, 72, 96, 108, 120, or 144; “b” can be BB, BB-US, S, X, V, MX, TS, TS-US, US, VB, WS-US or XV
Big Shine Solar	Big Shine Solar modules with 35mm frames BSExxxN-144BMH-DG
Bila Solar	Bila Solar modules with 30 mm frames AA-xxxUS-6x24GG
Bluesun Solar	Bluesun modules with 30 and 35 mm frames BSMxxxY-AAA Where “Y” can be M or M10; and “AAA” can be 54HPH, 60HPH or 72HBD

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Boviet	Boviet modules with 33, 35 and 40 mm frames BVMZZaaYY-xxxBcc Where “ZZ” can be 66, 76 or 86; “aa” can be 9, 10, 11 or 12; “YY” is M or P; and “B” can be blank, L or S; and “cc” can be blank, H, H-BF, H-BF-DG, H-HC, H-HC-BF, H-HC-BF-DG, HC-BF, HC-BF-DG, R-H-HC-BF or R-H-HC-BF-DG
BYD	BYD modules with 30 and 35 mm frames BYDxxxAY-ZZ Where “A” can be M6, P6, MH, MLB, MLT, NLB or PH; “Y” can be C or K; and “ZZ” can be 30 or 36
Canadian Solar	Canadian Solar modules with 30, 32, 35 and 40 mm frames CSbY-xxxZ Where “b” can be 1, 3, 6, 6.1, 6.2 or 7; “Y” can be H, K, L, N, P, R, U, V, W, X, Y, -48TD, -48TM, -54TM, -66HB, -66TB, -66TM or -72TB; and “Z” can be blank, H, HP, HR, M, P, T, MS, PX, M-SD, P-AG, P-SD, MB-AG, PB-AG, MS-AG, MS-HL, MS-SD or TB-AG
CertainTeed	CertainTeed modules with 30, 35 and 40 mm frames CTBBxxxYZZ-AA Where “BB” can be blank, M10 or TC; “Y” can be M, P, or HC; “ZZ” can be 00, 01, 10, 11 or 12; and “AA” can be 01, 02, 03, 04, 06, 08 or 09
Crossroads Solar	Crossroads Solar modules with 40 mm frames Crossroads Solar xxx
CSUN	Csun modules with 35 and 40 mm frames YYxxx-zzAbb Where “YY” is CSUN or SST; “zz” is blank, 60, or 72; and “A” is blank, P, M or MM; “bb” is blank, BB, 5BB, BW, or ROOF

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
CW Enerji	CW Enerji Modules with 35 mm frames CWTxxx-132TNB12R
Dehui	Dehui modules with 30, 35 and 40 mm frames DH-MYYYYZ-xxx Where “YYY” can be 760, 772, 860, or 872; and “Z” can be B, F or W
Ecosolargy	Ecosolargy modules with 35 and 40 mm frames ECOxxxYzzA-bbD Where “Y” can be A, H, S, or T; “zz” can be 125 or 156; “A” can be M or P; “bb” can be 60 or 72; and “D” can be blank or B
Emmvee	Emmvee modules with 35 mm frames Exxx-YYZZZ-A Where “YY” can be M, P, HCM, HCMW, HCBG, HCBT; “ZZZ” can be 72, 108, 120, 132 or 144; and “A” can be blank, B, T, or BT
Energy America	Energy America modules with 30 and 40 mm frames EA-ZLKY-ZZZxxx/M Where “Y” can be 7 or 8; and “ZZZ” can be SHDB108 or THLDD132
ET Solar (EliTe Solar) (ELITE Solar)	ET Solar modules with 30, 33, 35 and 40 mm frames ET-YZZZxxxAA Where “Y” can be P, L, M, N or NR; “ZZZ” can be 48TBH, 660, 660BH, 672, 672BH, 754BH, 760BH, 766BH, 772BH, 760TBH, 766TBH, 772TBH, 778TBH or 848TBH; and “AA” can be GB, GL, TB, TW, WB, WW, BB, WBG, WWG, WBAC, WBCO, WWCO, WWBCO or BBAC
Fellow Energy	Fellow Energy modules with 30 and 35 mm frames FEyy-18ZZ-xxx Where “yy” can be 54, 66, 72 or 78; and “ZZ” can be X, X(N), X(ND) or X+(ND)

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Flex	Flex modules with 35 and 40 mm frames FXS-xxxYY-ZZ; Where “YY” can be BB or BC; and “ZZ” can be MAA1B, MAA1W, MAB1W, SAA1B, SAA1W, SAC1B, SAC1W, SAD1W, SBA1B, SBA1W, SBC1B, or SBC1W
Freedom Forever	Freedom Forever modules with 35 mm frames FF-MPa-BBB-xxx Where “a” can be blank or 1
Freevolt	Freevolt modules with 35 mm frames ECP-PVGRAF-144HC-xxx
GCL	GCL modules with 35 mm and 40 mm frames GCL-ab/YY xxx Where “a” can be M or P; “b” can be 3 or 6; and “YY” can be 60, 72, 72H, or 72DH
GigaWatt Solar	Gigawatt modules with 40 mm frames GWxxxYY Where YY can be either PB or MB
Goldi	Goldi modules with 35 mm frames GS10-Byyy-zz-xxx Where “yyy” can be 108 or 144; and “zz” can be GF or TF
Goldi America	Goldi America modules with 30 mm frames GADYYT-xxxZZ Where “YY” can be 54 or 72; and “ZZ” can be BT or WT
Grape Solar	Grape modules with 35 mm frames GS-M120-xxx-FAB1

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
GreenWatts Solar	GreenWatts modules with 30 and 35mm frames HSYY-A-xxx-ZZ Where “YY” can be 54, 60, 66, 72 or 78; “A” can be blank or F; and “ZZ” can be MN or BOB
Hanersun	Hanersun modules with 30 mm frames HN18N-ZZHTxxxW Where “ZZ” can be 54 or 72
Hansol	Hansol modules with 30, 35 and 40 mm frames HSxxxYY-zz Where “S” can be A or S; “YY” can be AA, AB, AD, AE, PB, PD, PE, TB, TD, UB, UD, UE, XA, XD or ZB; and “zz” can be AH2, AN1, AN3, AN4, CGEA0, CGFA0, DGEA0, HH2, HV1, JH2, GNEA0, NGEA0 or NNEA0
Hanwha Solar	Hanwha Solar modules with 40 mm frames HSLaaP6-YY-1-xxxZ Where “aa” can be either 60 or 72; “YY” can be PA or PB; and “Z” can be blank or B
Heliene	Heliene modules with 35 and 40 mm frames YYZZxxxA Where “YY” can be 36, 60, 72, 96, 108, 120, 132, 144 or 156; “ZZ” can be HC, M, P, or MBLK; and “A” can be blank, HomePV, Bifacial, M10-SL, M10-SL-BLK, M10 TPC SL, M10 Bifacial, M10 SL-Bifacial, M10 TPC SL Bifacial, M10 NTYP SL or M10 NTYP SL Bifacial
Hounen Solar	Hounen Solar modules with 30 and 35 mm frames HNM7-YYY-xxx/Z Where “YYY” can be SHDB144 or UHLDD144; and “Z” can be M or N
HT-SAAE	HT-SAAE modules with 30, 35 and 40 mm frames HTyy-aaaZ-xxx Where “yy” can be 60, 66, 72 or 78, “aaa” can be 18, 156 or 166, “Z” can be M, P, M-C, P-C, M(S), M(VS), M(V), P(V), M(V)-C, P(V)-C, X, X(ND)-F or X+(ND)-F

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Hyperion Solar (Runergy)	Hyperion or Runergy modules with 30 and 35 mm frames HY-DHzzzAC-xxxB Where “zzz” can be 96, 108, 132 or 144; “A” can be N or P; “C” can be 8, 11 or 11B; and “B” can be blank or B
Hyundai	Hyundai modules with 30, 32, 33, 35 and 40 mm frames HiY-SxxxZZ Where “Y” can be A, D, N or S; “S” can be M, S or T; and “ZZ” can be GI, HG, HI, KI, MI, MF, MG, NI, NF(BK), NJ, OJ, PI, RI, RG, RG(BF), RG(BK), SG, TI, TG, YH(BK) or XG(BK)
Illuminate USA	Illuminate USA Modules with 30 and 35 mm frames IL5-72HBD-xxxM
Imperial Star	Imperial Star Modules with 35 mm frames ISY7-zzzAAA-xxx/M Where “Y” can be M or N; “zzz” can be SHSB or UHSB; and “AAA” can be 108, 144 or 156
Indepwr Solar	Indepwr Solar modules with 35 mm frames iPWR-M10-xyyy-xxxW Where “xx” can be 54, 60 or 72; and “yyy” can be BX2D or BX2S
Itek	Itek Modules with 40 mm frames IT-xxx-YY Where “YY” can be blank, HE, or SE, or SE72
JA Solar	JA Solar modules with 30, 35 and 40 mm frames JAyyzz-bbww-xxx/aa Where “yy” can be M, P, M6 or P6; “zz” can be blank, (K), (L), (R), (V), (BK), (FA), (TG), (FA)(R), (L)(BK), (L)(TG), (R)(BK), (R)(TG), (V)(BK), (BK)(TG), or (L)(BK)(TG); “bb” can be 48, 54, 60, 66, 72 or 78; “ww” can be D09, D10, D20, D30, D40, D41, D42, D45, S01, S02, S03, S06, S09, S10, S12, S17, S20, S30 or S31; and “aa” can be BP, LB, MB, MB-US, MR, SI, SC, PR, 3BB, 4BB, 4BB/RE, 5BB

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Jakson Solar	Jakson Solar modules with 35mm frames JH-xxxYY Where “YY” can be BB or BT
Jinko	Jinko modules with 30, 35 and 40 mm frames JKMYxxxZZ-aa Where “Y” can either be blank or S; “ZZ” can be M, N, P, or PP; and “aa” can be blank, 54HL4-B, 60, 60B, 60H, 60L, 60BL, 60HL, 60HB, 60HBL, 6HBL-EP, 60-J4, 60B-J4, 60B-EP, 60(Plus), 60-V, 60-MX, 6RL3, 6RL3-B, 6TL3-B, 66HL4M-BDV, 7RL3-V, 7RL3-TV, 72, 72B, 72-J4, 72B-J4, 72(Plus), 72-V, 72H-V, 72L-V, 72HL-V, 72HBL-V, 72HL4-V, 72HL4-BDV, 72HL4-TV, 72-MX, 72H-BDVP, 72HL-TV, 72HL-V-MX3 or 72HL4-BDX
Jolywood Solar	Jolywood Solar modules with 30mm frames JW-HDYNN-ZZ-xxx Where “YY” can be 96, 108, 132 or 144; and “ZZ” can be blank, R0 or R2
KB Solar	KB Solar modules with 35 mm frames KBS-xxx-Mono-YY Where “YY” can be blank or BF
Kyocera	Kyocera Modules KYxxxZZ-AA Where “Y” can be D or U; “ZZ” can be blank, GX, or SX; and “AA” can be LPU, LFU, UPU, LPS, LPB, LFB, LFBS, LFB2, LPB2, 3AC, 3BC, 3FC, 4AC, 4BC, 4FC, 4UC, 5AC, 5BC, 5FC, 5UC, 6BC, 6FC, 8BC, 6MCA, or 6MPA
LA Solar	LA Solar modules with 35 mm frames LSxxxYY Where “YY” can be BF, BL, BLA, HC or ST

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
LG	LG modules with 35 and 40 mm frames LGxxxYaZ-bb Where “Y” can be A, E, M, N, Q, S; “a” can be A, 1, 2 or 3 “Z” can be C, K, T, or W; and “bb” can be A3, A5, A6, B3, B6, E6, E6.AW5, G3, G4, J5, K4, L5, N5, V5, V6
Longi	Longi modules with 30, 35 and 40 mm frames LRa-YYZZ-xxxM Where “a” can be 4, 5, 6, 7 or 8; “YY” can be blank, 54, 60, 66, or 72; and “ZZ” can be blank, BK, BP, HV, PB, PE, PH, HBD, HGD, HIB, HIH, HPB, HPH, HIBD, HABB, HABD or HGBB
Magnus Green Solar	Magnus Green Solar modules with 35 mm frames MGS-xxxW-yyy-M10 Where “yyy” can be M54H, M60H or M72H
Maxeon	Maxeon modules with 35, 40 and 46 mm frames SPR-AAAY-xxx-zzz Where “AAA” can be MAX, P or X; “Y” can be 3, 5, 6, 7, 21 or 22; and “zzz” can be blank, R, BLK, BLK-R, COM or UPP
Meyer Burger	Meyer Burger Modules with 35 mm frames Meyer Burger Black, White or Glass
Mission Solar (mSolar)	Mission Solar modules with 30, 33, 35 and 40 mm frames YYYbb-xxxZZaa Where “YYY” can be MSI, MSE, MSH, MSN, MSX, TXI or TXS; “bb” can be blank, 6, 10 or 60A; “ZZ” can be blank, HN, HT, MM, SE, SO, SQ, SR, SX, TS, 108, 120 or 144; and “aa” can be blank, 0B, 2B, BB, BW, 1J, 4C, 4J, 4S, 4T, 5K, 5R, 5T, 60, 6J, 6S, 6W, 6Z, 8K, 8T, 9R, 9S or 9Z
Mitrex	Mitrex modules with 30 and 40 mm frames Mxxx-XYZ Where “X” can be A, B, I or L; “Y” can be 1 or 3; and “Z” can be F or H

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Mitsubishi	Mitsubishi modules PV-MYYxxxZZ Where “YY” can be LE or JE; and “ZZ” can be either HD, HD2, or FB
Motech	IM and XS series modules with 40 mm frames
Navitas	Navitas Modules with 30 and 35 mm frames NSZ-AAA-xxx-yyy Where “Z” can be G or M; “AAA” can be blank or BFT144-M10; and “yyy” can be blank, 120, 132 or 144
Next Energy Alliance	Next Energy Alliance modules with 35 and 40 mm frames yyNEA-xxxZZ where “yy” can be blank or US; “ZZ” can be M, MB or M-60
NE Solar	NE Solar modules with 30, 35 and 40 mm frames NESExxx-zzAAX-yy Where “zz” can be 54, 60 or 72; “AA” can be MH or TH; “X” can be blank or B; and “yy” can be M6 or M10
Neo Solar Power	Neo Solar Power modules with 35 mm frames D6YxxxZZaa Where “Y” can be M or P; “ZZ” can be B3A, B4A, E3A, E4A, H3A, H4A; and “aa” can be blank, (TF), ME or ME (TF)
Optivolt	Optivolt modules with 35 mm frames OPT10M-xxxW Where “W” can be W or B

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Panasonic (HIT)	Panasonic modules with 35 and 40 mm frames VBHNxxxYYzzA Where “YY” can be either KA, RA, SA or ZA; “zz” can be either 01, 02, 03, 04, 06, 06B, 11, 11B, 15, 15B, 16, 16B, 17, or 18; and “A” can be blank E, G or N
Panasonic (EverVolt)	Panasonic modules with 30 mm frames EVPVxxxA Where “A” can be blank or H, K, HK, HK2 or PK
Peimar	Peimar modules with 35 and 40 mm frames AbxxxYzz Where “A” can be S or DR; “b” can be G, M, P or 10H; “Y” can be M, MB or P; and “zz” can be blank, (BF), or (FB)
Philadelphia Solar	Philadelphia modules with 30, 35 and 40 mm frames PS-YzzAA-xxxW Where “Y” can be M, MNB, MNG or P; “zz” can be 60, 72, 108, 132, 144 or 156; “AA” can be blank, (BF), (HC), (HCBF) or (HCBF)-GG; and “W” can be blank or W
Phono Solar	Phono Solar modules with 30, 35 and 40 mm frames PSxxxY-ZZ/A Where “Y” can be M, M1, MH, M1H, M4, M4H, M5GF, M5GFH, M6, M6H, M8, M8H, M8GF, M8GFH or P; “ZZ” can be 18, 20, 24 or 26; and “A” can be F, RNH, T, TH, THB, TNH, U, UH, UHB, VH, VHB or VNHB
Prism Solar	Prism Solar modules with 35 mm frames PST-xxxW-M72Y Where “Y” can be H, HB or HBI

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Q CELLS	Q CELLS Modules with 30, 32, 35, 40 mm frames aaYY-ZZ-xxx where “aa” can be Q. or B.; “YY” can be PLUS, PRO, PEAK, LINE PRO, LINE PLUS, PLUS DUO, PEAK DUO or TRON; and “ZZ” can be G3, G3.1, G4, G4.1, L-G2, L-G2.3, L-G3, L-G3.1, L-G3y, L-G4, L-G4.2, L-G4y, LG4.2/TAA, BFR-G3, BLK-G3, BFR-G3.1, BLK-G3.1, BFR-G4, BFR-G4.1, BFR G4.3, BLK-G4.1, G4/SC, G4.1/SC, G4.1/TAA, G4.1/MAX, BFR G4.1/TAA, BFR G4.1/MAX, BLK G4.1/TAA, BLK G4.1/SC, EC-G4.4, G5, G5/SC, G5/TS, BLK-G5, BLK-G5/SC, BLK-G5/TS, L-G5, L-G5.1, L-G5.2, L-G5.2/H, L-G5.3, G6, G6/SC, G6/TS, G6+/TS, G6+, BLK-G6, L-G6, L-G6.1, L-G6.2, L-G6.3, L-G6.3/BFG, G7, BLK-G6+, BLK-G6+/AC, BLK-G6+/HL, BLK-G6+/SC, BLK-G6/TS, BLK-G6+/TS, BLK-G7, G7.2, G8, BLK-G8, G8+, BLK-G8+ L-G7, L-G7.1, L-G7.2, L-G7.3, L-G8, L-G8.1, L-G8.2, L-G8.3, L-G8.3/BFF, L-G8.3/BFG, L-G8.3/BGT, M-G2+, BLK M-G2+, BLK M-G2.C+, BLK M-G2.D+, BLK M-G2.F+, BLK M-G2.H+, BLK M-G2+/AC, BLK M-G2.C1+/AC, BLK M-G2.D1+/AC, BLK M-G2.F1+/AC, BLK M-G2.H1+/AC, ML-G9, BLK ML-G9, ML-G9+, BLK ML-G9+, BLK-G10, BLK-G10+, BLK G10+/AC, BLK-G10+/HL, ML-G10, BLK ML-G10, ML-G10+, BLK ML-G10+, ML-G10.a, BLK ML-G10.a, ML-G10.a+, BLK ML-G10.a+, BLK ML-G10.B+, BLK ML-G10.C+, BLK ML-G10.C1+/AC, BLK ML-G10.D+, BLK ML-G10.D1+/AC, BLK ML-G10 +/t, BLK ML-G10+/TS, XL-G2.3/BFG, XL-G9, XL-G9.2, XL-G9.3, XL-G9.3/BFG, XL-G10.2, XL-G10.3, XL-G10.c, XL-G10.d, XL-G10.d/BFG, XL-G10.3/BFG, XL-G11.2, XL-G11.3, XL-G11.3/BFG, XL-G11S.3/BFG or XL-G11S.L3/BFG
Rayzon Solar	Rayzon Solar modules with 35 and 40 mm frames RSYxxxAAZZ Where “Y” can be blank or B; “AA” can be blank, 132 or 144; and “ZZ” can be TGC or WC
Recom	Recom modules with 35 and 40 mm frames RCM-xxx-6yy Where “yy” can be MA, MB, ME or MF

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
REC Solar	REC modules with 30 and 38 mm frames RECxxxYZZ Where “YY” can be AA, M, NP, NP2, NP3, PE, PE72, TP, TP2, TP2M, TP2SM, TP2S, TP3M or TP4; and “ZZ” can be blank, Black, BLK, BLK2, SLV, 72, Pro M, Pure, Pure-R, Pure-RX, Pure-RX-DC or Pure 2
Renesola	ReneSola modules with 30, 35 and 40 mm frames AAxxxY-ZZ Where “AA” can be SPM(SLP), JC or RS6; “Y” can be blank, F, M, S or NBG; and “ZZ” can be blank, Ab, Ab-b, Abh, Abh-b, Abv, Abv-b, Bb, Bb-b, Bbh, Bbh-b, Bbv, Bbv-b, Db, Db-b, 24/Bb or E3
Renogy	Renogy Modules with 35 and 40 mm frames RZZ-xxxY-AAA Where “ZZ” can be NG or SP; “Y” can be D or P; and “AAA” can be blank, 144, BB-108, BB-120 or BK-120
Risen	Risen Modules with 30, 35 and 40 mm frames RSMyy-a-xxxZZ Where “yy” can be 60, 72, 110, 120, 132 or 144; “a” can be 6, 7 or 8; and “ZZ” can be M, P or BMDG
Rivulet Solar	Rivulet Solar modules with 35 mm frames RE72-18X(ND)-xxx
Saatvik	Saatvik Modules with 35 mm frames SGExxx-YYYZZZ Where “YYY” can be 108 or 144; and “ZZZ” can be MHC, MBHC or MHCB
S-Energy	S-Energy modules with 35 and 40 mm frames SABB-CCYYY-xxxZ Where “A” can be C, D, L or N; “BB” can be blank, 20, 25, 40 or 45; “CC” can be blank, 60 or 72; “YYY” can be blank, BDE, MAE, MAI, MBE, MBI, MCE or MCI; and “Z” can be V, M-10, P-10 or P-15

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
SEG Solar	SEG Solar with 30, 35 and 40 mm frames SEG-aYY-xxx-ZZ Where “a” can be blank, 6 or B; “YY” can be blank, MA, MB, PA, or PB; and “ZZ” can be blank, BB, BG, BW, HV, WB, WW, BMB, BMA-HV, BMA-BG, BMA-TB, BMB-TB, BMB-HV, BMD-BG, BMD-HV, BMB-BG, BTA-BG, BTB-BG, BTC-BG, BTD-BG, BTZ-BG, BMD-TB or BMZ-BG
Seraphim	Seraphim modules with 30, 33, 35 and 40 mm frames SRP-xxx-YYY-ZZ Where “xxx” is the module power rating; and “YYY” can be BMA, BMB, BMD, BTA, BTC, BTD, BTE, 6MA, 6MB, 6PA, 6PB, 6QA-XX-XX, and 6QB-XX-XX; ZZ is blank, BB, BG or HV
Sharp	Sharp modules with 35 and 40 mm frames NUYYxxx Where YY can be SA or SC
Shinsung E&G	Shinsung Modules with 35 mm frames SSVxxx-144MH
Silfab	Silfab Modules with 35 and 38 mm frames SYZ-Z-xxxAb Where “YY” can be IL, SA, LA, SG or LG; “Z” can be blank, M, P, or X; “A” can be blank, B, H, M, N, Q or X; and “b” can be A, C, C+, D, G, K, L, M, M+, N, T, U or X
Sinotec	Sinotec Modules with 30 and 35 mm frames STS-xxxP-aabb Where “aa” can be 54 or 72; and “bb” can be BB, DB or DD
Sirius PV	Sirius PV Modules with 35 mm frames ELNSMzzM-HC-yy-xxx Where “zz” can be 48, 54 or 72; and “yy” can be blank, BF, N or N-SNRN

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Solar4America	Solar4America modules with 30, 35 and 40 mm frames S4Axxx-YYzzAA Where “YY” can be 60, 72, 108 or 144; “zz” can be MH5, MH10, TH10 or TH16; and “AA” can be blank or BB, BW, SW or STT
Solarever	Solarever modules with 30, 35 mm frames SE-zzz*yy-xxxM-aaa Where “zzz” can be 166 or 182; “yy” can be 83, 91 or 105; and “aaa” can be 108, 96-BD, 120-BH, 144 or 144N
Solaria	Solaria modules with 35 and 40 mm frames PowerA-xxxY-ZZ Where “A” can be X or XT, “Y” can be R or C; and “ZZ” can be blank, AC, BD, BX, BY, PD, PL, PM, PM-AC, PX, PZ, WX, WZ or 4T
Solarcity (Tesla)	Solarcity modules with 40 mm frames SCxxxYY Where “YY” can be blank, B1 or B2
SolarSpace	SolarSpace modules with 30 and 35mm frames SSB-yyzzz-xxxA Where “B” can be 8 or A; “yy” can be 48, 54, 66 or 72; “zzz” can be HD, HDB or HSB; and “A” can be M or N
SolarTech	SolarTech modules with 40 mm frames AAA-xxxYY Where “AAA” can be PERCB-B, PERCB-W, HJT-B, HJT-B-W or STU; “YY” can be blank, PERC or HJT
SolarWorld AG	SolarWorld Sunmodule Plus, Protect, Bisun, XL, Bisun XL, may be followed by mono, poly, duo, black, bk, or clear; modules with 31 and 33 mm frames SW-xxx

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
SolarWorld Americas	SolarWorld Sunmodule Plus, Protect, Bisun, XL, Bisun XL, may be followed by mono, poly, duo, black, bk, or clear; modules with 33 mm frames SWA-xxx
Sonali	Sonali Modules with 35 and 40 mm frames SS-M-xxx-yyy Where “M” can be blank or M; and “yyy” can be blank, 108M-B or W-M60H M10
Star Solar	Star Solar modules with 35 mm frames Star-xxxW-YYY-ZZZ Where “YYY” can be M60H or M60HB; and “ZZZ” can be blank or M10
Stion	Stion Thin film modules with 35 mm frames STO-xxx or STO-xxxA
SunEdison	SunEdison Modules with 35 and 40 mm frames SE-YxxxZABCDE Where “Y” can be B, F, H, P, R, or Z; “Z” can be 0 or 4; “A” can be B,C,D,E,H,I,J,K,L,M, or N ; “B” can be B or W; “C” can be A or C; “D” can be 3, 7, 8, or 9; and “E” can be 0, 1 or 2
Sungold	Sungold Modules with 35 mm frames SG-xxxWM
Suniva	Suniva modules with 35, 38 and 40 mm frames OPTxxx-AA-B-YYY-Z MVXxxx-AA-B-YYY-Z Where “AA” is either 60 or 72; “B” is either 4 or 5; “YYY” is either 100,101,700,1B0, or 1B1; and “Z” is blank or B

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Sunket	Sunket modules with 35 mm frames SKTxxxM10-144S1
Sunmac Solar	Sunmac modules with 30 and 35 mm frames SMxxxMaaaZZ-YY Where “aaa” can be 660, 754 or 772; “ZZ” can be NH or SH; and “YY” can be BB or TB
Sunpower	Sunpower standard (G3 or G4) or InvisiMount (G5) 35, 40 and 46 mm frames SPR-Zb-xxx-YY Where “Z” can be A, E, M, P or X; b can be blank, 17, 18, 19, 20, 21, or 22; and YY can be blank, BLK, COM, C-AC, D-AC, E-AC, BLK-E-AC, G-AC, BLK-G-AC, H-AC, BLK-H-AC, BLK-C-AC, or BLK-D-AC
Sunpro	Sunpro Modules with 30 and 35 mm frames SPDGxxx-NyyyM10 Where “yyy” can be 108 or 144
Sunspark	Sunspark modules with 30, 35 and 40 mm frames SYYBB-xxxZ-A Where “YY” can be G, MX or ST; “BB” can be blank, 7F54M(H) or 7G72M(H); and “Z” can be blank, M, MB, M3, M3B, P or W; and “A” can be blank, 60 or 72
Suntech	Suntech Modules with 35 and 40 mm frames STPxxxy-zz/aa Where “y” is blank or S; and “zz” can be 20, 24, A60, A72U, B60 or B72; and “aa” can be Vd, Vem, Vfw, Vfh, Vnh, Wdb, Wde, Wd, Wfhb or Wnhb

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Talesun	Talesun modules with 30, 35 and 40 mm frames TAByZZaa-xxx-b Where “A” can be D, M or P; “B” can be 3, 6, 7 or 9; “y” can be blank, F, G, H, I or L; “ZZ” can be 48, 54, 60, 66, 72 or 78; “aa” can be M, M(H), or P; and “b” can be blank, B, T, or (H)
Tata Power Renewable Energy	TP Solar Ltd modules with 30mm frames TPxxxZZZ Where “ZZZ” can be HG10B or VG12R16NB
Tesla	Tesla modules with 40 mm frames TZZxxxY Where “ZZ” can be blank or SP; and “Y” can be blank, H or S
Thornova	Thornova Modules with 30 and 35 mm frames TS-YYZZ(xxx)-X Where “YY” can be BB, BBT, BG, BGT, BW or BWT; “ZZ” can be 48, 54, 60, 66 or 72; and “X” can be blank, G11, G12R or X
Topco Solar	Topco Solar modules with 30mm frames TPM7-SH108-xxx/M
Trina	Trina Modules with 30, 35 and 40 mm frames TSM-xxxYYZZ Where “YY” can be DD05, DD06, DD14, DE14, DE15, DE15V, DEG15, DEG15VC, DE18M, DEG18MC, DE09, DE19, DEG19C.20, DE06X, PA05, PC05, PD05, PD06, PA14, PC14, PD14, PE14, PE15, NE19RC, NED19RC, NEG19RC, NE09RC, NEG9RH, NE09RH.05 or NFG19RC ; and “ZZ” can be blank, .05, .05(II), .08, .08(II), .10, .18, .08D, .18D, 0.82, .002, .00S, 05S, 08S, .20, .20(II), .25, A, A.05, A.08, A.10, A.18, (II), A(II), A.05(II), A.08(II), A.082(II), A.10(II), A.18(II), C.05, C.07, C.05(II), C.07(II), H, H(II), H.05(II), H.08(II), HC.20(II), HC.20(II), M, M(II), M.05(II), MC.20(II)

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Universal	Universal Solar Modules with 35 mm frames UNI-xxx-yyyZZZ-aa Where “yyy” can be 108, 120 or 144; “ZZZ” can be M, MH, BMH; and “aa” can be blank, BB or DG
URE	URE modules with 30 and 35 mm frames DyZxxxaa Where “D” can be D or F; “y” can be A, B, 6 or 7; “Z” can be F, K, L or M; and “aa” can be B7G, B8G, BFG, BFG-BB, C8G, DFG-BB, H3A, H4A, H8A, L4A, E7G-BB, E8G, E8G-BB, MFG, MFG-BB or M7G-BB
Vikram	Vikram solar modules with 30, 35 and 40 mm frames XVSyy.ZZ.AAA.bb Where “X” can be blank, Hypersol, Paradea, Prexos or Somera; “yy” can be M, P, MBB, MDH, MDHT, MH, MS, MHBB, or PBB; “ZZ” can be 54, 60, 72 or 78; “AAA” is the module power rating; and “bb” can be 03, 04 or 05
VSUN	VSUN modules with 30, 35 and 40 mm frames VSUNxxxA-YYz-aa Where “A” can be blank or N; “YY” can be 60, 72, 96, 108, 120, 132, 144 or 156; “z” can be M, P, MH, PH, BMH, BMHR or BMHS; and “aa” can be blank, BB, BW, DG, DG-BB or DG-BT
Waaree	Waaree modules with 30, 35 and 40 mm frames AA-yy-xxx Where “AA” can be WS, Bi or BiN; and “yy” can be blank, M, MB, MD, MDI, MDIB, 08, 21, 33, 55, 57 or 66
Winaico	Winaico modules with 35 and 40 mm frames Wsy-xxxZa Where “y” can be either P or T; “Z” can be either M, P, or MX; and “a” can be blank or 6

MANUFACTURER	LIST OF UL 2703 APPROVED PV MODULES
Yingli	Yingli modules with 30, 35 and 40 mm frames YLxxxZ-yy Where “Z” can be D or P; “yy” can be blank, 29b, 30b, 34d, 35b, 36b, 37e 1/2, 37e 1500V 1/2, 40d, 49e 1/2 or 49e 1500V 1/2
Yotta	Yotta modules with 30 and 35 mm frames YSM-Bxxx-ZZ-72-1 Where “ZZ” can be 06 or 10
Zeus	Zeus Solar Modules with 40 mm frames ZxxxM-HB
ZN Shine	ZN Shine modules with 30, 35 and 40 mm frames ZXMY-AAA-xxx/B Where “Y” can be 6, 7, 8 or R; “AAA” can be 72, GPLDD132, NH120, NH144, NHDB144, NHLDD144, SH108, SH144, SHDB120, SHDB144, SHLDD120, SHLDD144, TP120, TP132, TPLDD120, TPLDD132, UH108, UHLDD108, UHLDD144, UHLDD156 or UPLDD132; and “B” can be M, N or P