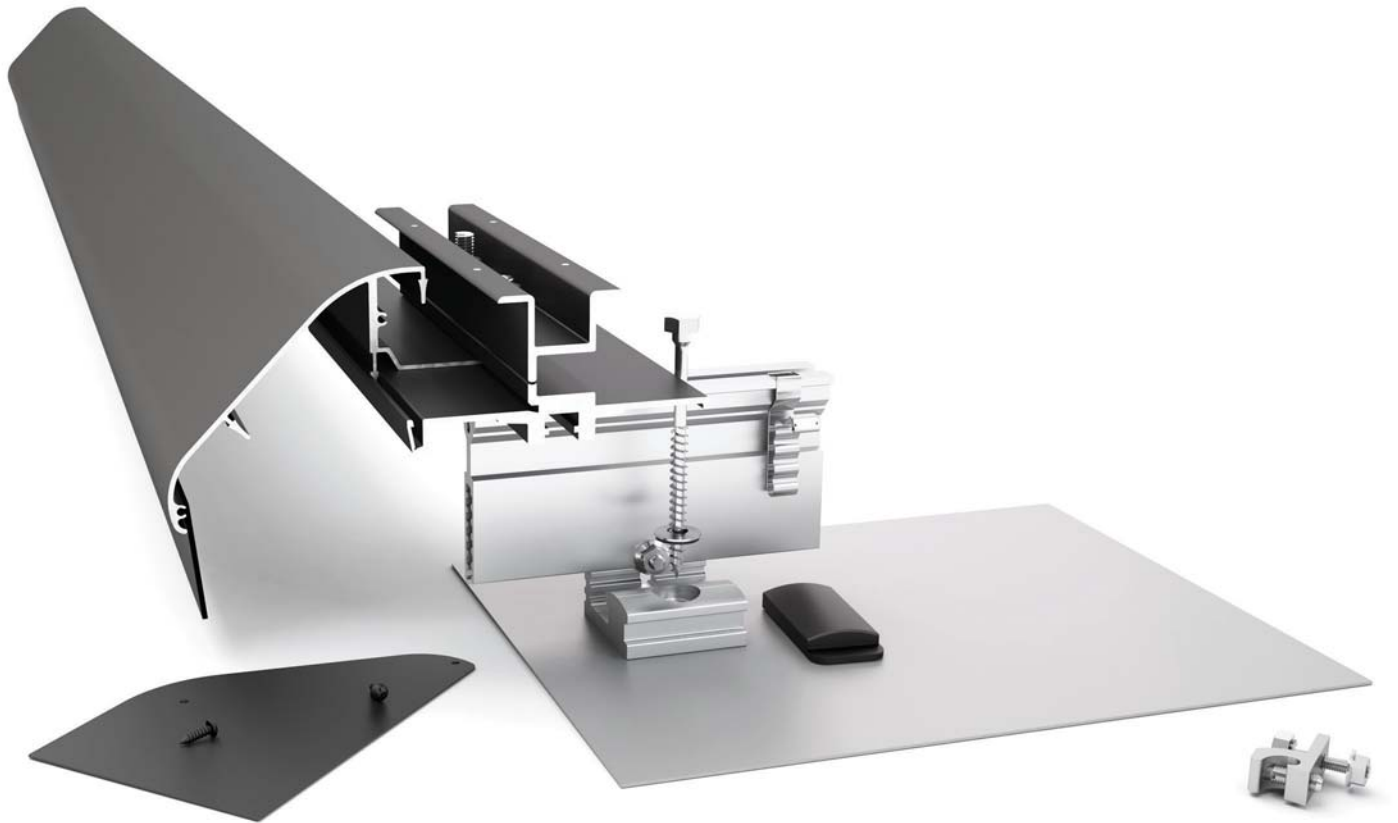


# Quick Rack™

Rail-Free Mounting System



Efficient // Reliable // Economical

**Quick Mount PV®**  
RESPECT THE ROOF



Intertek  
4008516

UL SUB 2703

# A No-Compromise Rail-Free Mounting System

Quick Rack, featuring QRack™ technology, is the most reliable and cost-effective rail-free mounting system available. With only 3 main components, it works with standard module frames and features Quick Mount PV's high-quality, patented Elevated Water Seal to ensure a long, watertight life on the roof.

## Features & Benefits

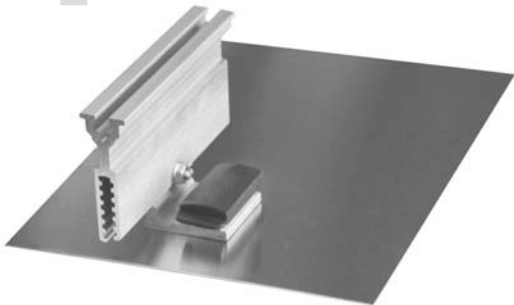
- Integrated roof mount and racking system
- Fewer components = quick to install
- Works with standard module frames - no special grooves required
- Incorporates Quick Mount PV's Elevated Water Seal technology
- Integrated grounding up to 300 modules
- Meets or exceeds roofing industry best practices

## Technical Features

- UL SUB 2703
- 2009 International Building Code
- 2013 California Building Code
- ASCE 7-05
- ASCE 7-10

## Quick Rack Components

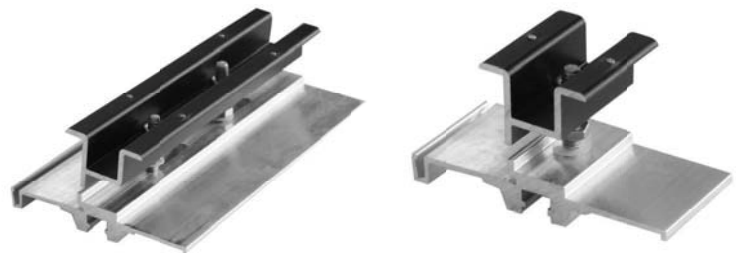
1



### Base Mount

Featuring Quick Mount PV's patented Elevated Water Seal.

2



### Panel Clamp

Available in two sizes (2" & 8") for both mid- and end-clamping that works with standard module frames.

3

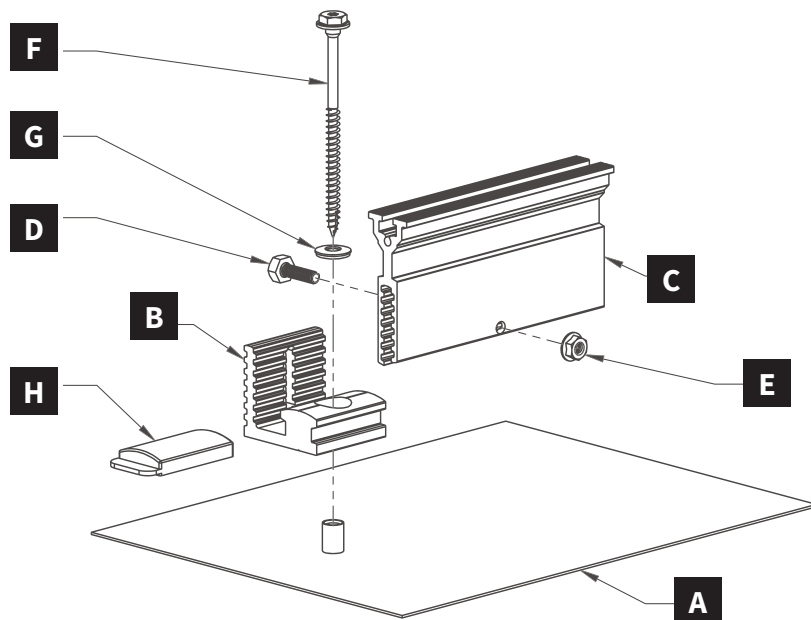


### Skirt

Snaps right into place for an elegant, streamlined finish.

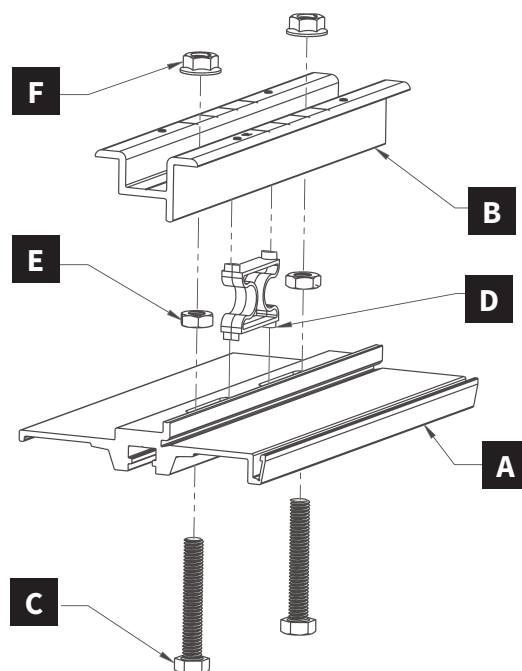
## Base Mount Assembly Parts

- A** Flashing x1
- B** QBlock Slider x1
- C** Top Slider x1
- D** Custom Hex Head Cap Screw x1
- E** Serrated Flange Hex Nut x1
- F** T-30/Hex Head Structural Screw, 5/16" x1
- G** EPDM/SS Sealing Washer x1
- H** EPDM Screw Cover x1



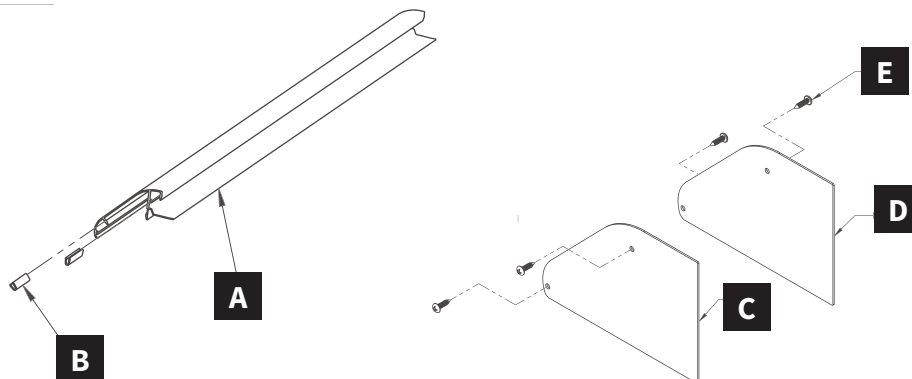
## Panel Clamp Assembly Parts

- A** Clamp Base (2" or 8") x1
- B** Panel Clamp (2" or 8") x1
- C** Hex Head Cap Screw x1 (x2 for 8")
- D** Clamp Spring (8" clamp only)
- E** Hex Nut x1 (x2 for 8")
- F** Serrated Flange Hex Nut x1 (x2 for 8")



## Skirt Assembly Parts

- A** Skirt x1
- B** Skirt Clip x2
- C** Skirt End Cap, Right x1
- D** Skirt End Cap, Left x1
- E** Sheet Metal Screw x4





(925) 478-8269 // 2700 Mitchell Dr., Bldg 2 // Walnut Creek, CA 94598

**[www.quickmountpv.com](http://www.quickmountpv.com)**

## Grounding Connectors

### TYPE: LI Lay-In Connector



90°C RATING (486B LISTED)

CMC® LI-S ground connectors are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity. They are dual rated for both copper and aluminum conductors and are electro tin plated to provide low contact resistance and protection against corrosion. They are designed for use on conduit grounding bushings. The open-faced design allows the installer to quickly lay-in the grounding conductor as a jumper to multiple conduits with no break in the ground conductor.



Catalog Number	Fig. No.	Cond. Range AWG	Stud Size*	Dimensions, Inches		
				H	W	L
LI-50S	1	4 - 14	0.22	0.78	0.38	1.07
LI-112S	1	1/0 - 14	0.27	1.17	0.6	1.5
LI-200S	2	3/0 - 6	0.33	1.56	0.8	2
LI-252S	2	250 - 6	0.33	1.79	0.8	2.2

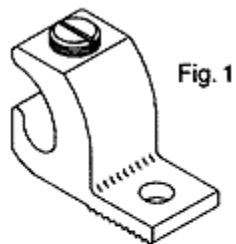


Fig. 1

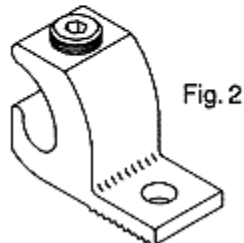
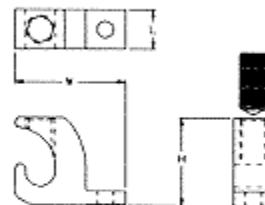


Fig. 2







# Customer Owned Parallel Generation Safety Disconnect Switch

**WARNING - ELECTRICAL SHOCK HAZARD.  
DO NOT TOUCH TERMINALS. TERMINALS  
ON BOTH THE LINE AND LOAD SIDES MAY  
BE ENERGIZED IN THE OPEN POSITION**

## **WARNING**

Service is energized from  
two sources.

Solar system and utility grid  
AC operating voltage:

Maximum solar AC current:

**Trinity Solar**  
2211 Allenwood Road  
Wall, NJ 07719  
732-780-3779

[service@trinitysolarsystems.com](mailto:service@trinitysolarsystems.com)

### PHOTOVOLTAIC SYSTEMS

Strings \_\_\_\_\_

Operating Current \_\_\_\_\_

Operating Voltage \_\_\_\_\_

Max. System Voltage \_\_\_\_\_

Short Circuit Current \_\_\_\_\_



**WARNING**

**ELECTRICAL SHOCK  
HAZARD**

Do Not Touch Terminals  
Terminals on Both the Line  
and Load Sides May Be Energized  
in the Open Position.

**WARNING**  
**ELECTRIC SHOCK HAZARD**  
**THE DC CONDUCTORS OF THIS**  
**PHOTOVOLTAIC SYSTEM ARE**  
**UNGROUNDING AND MAY BE**  
**ENERGIZED**

**WARNING**  
**ELECTRIC SHOCK HAZARD**  
**IF A GROUND FAULT IS INDICATED,**  
**NORMALLY GROUNDED**  
**CONDUCTORS MAY BE**  
**UNGROUNDING AND ENERGIZED**







## POWER DISTRIBUTION

### BUG•BITES™

#### Insulation Piercing Connectors

Eliminates need for conductor insulation stripping

No taping required after installation

For copper to copper, copper to aluminum, or aluminum to aluminum applications

For use on insulated conductor only



CU9AL  
90°C



#### CAUTION

Use Bug•Bites on  
insulated cable only!  
Do not install on bare cable.

### IPC SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE		VOLTS	BOLTS	TORQUE FT-LBS	CTN QTY	EST. SHIPPING	
		MAIN	TAP					WEIGHT (lbs)	UNIT
13110	IPC 1002	1/0 - 8	2 - 8	300	1	16	12	2.63	CTN
13107	*IPC 4006	4/0 - 4	6 - 14	600	1	13	12	1.90	CTN
13108	*IPC 4020	4/0 - 2	2/0 - 6	600	1	25	12	4.08	CTN
13109	*IPC 2540	250 - 1	4/0 - 6	600	1	30	6	4.17	CTN
13113	IPC 3540	350 - 4/0	4/0 - 10	300	1	25	6	4.17	CTN
13114	IPC 3535	350 - 4/0	350 - 4/0	300	2	25	6	7.63	CTN
13116	†IPC 5012	500 - 250	10 - 12	300	1	25	4	2.85	CTN
13104	*IPC 5025	500 - 250	250 - 4	600	1	55	4	4.06	CTN
13105	*IPC 5050	500 - 300	500 - 250	600	1	75	1	2.64	EA
13106	*IPC 7550	750 - 500	500 - 350	600	1	75	1	2.62	EA

\*600 Volts, balance 300 Volts (for 480V grounded Y systems)

† Not CSA certified

### GUTTER TAP CONNECTORS

High strength aluminum alloy 6061-T6, tin-plated

Lay-in designed main conductor remains continuous

Tap parallel or perpendicular to main

### GP SERIES

NAED NUMBER	CATALOG NUMBER	CONDUCTOR RANGE		APPROX. DIMENSIONS (IN)			CTN QTY	EST. SHIPPING	
		MAIN	TAP	H	W	L		WEIGHT (lbs)	UNIT
13117	GP 2*	2 - 12	4 - 12 SOL	7/8	5/8	1 <sup>25</sup> / <sub>64</sub>	24	1.43	CTN
13118	GP 10	1/0 - 2	1/0 - 12 SOL	1	3/4	1 <sup>3</sup> / <sub>4</sub>	12	1.19	CTN
13119	GP 250	250 - 1/0	250 - 6	1 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>9</sup> / <sub>32</sub>	12	2.54	CTN
13121	GP 350	350 - 4/0	350 - 6	1 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>9</sup> / <sub>16</sub>	6	2.75	CTN
13122	GP 500	500 - 350	500 - 2	1 <sup>3</sup> / <sub>4</sub>	1 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	6	3.10	CTN
13123	GP 750	750 - 500	500 - 2	2	1 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3	2.5	CTN

\*GP2 has slotted screws.

Oxide-inhibitor is recommended for added corrosion protection.

Snap-on insulating covers for use with GP connectors

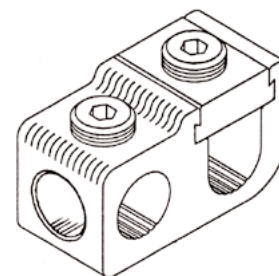
### GPC SERIES

NAED NUMBER	CATALOG NUMBER	FOR USE WITH CONNECTOR	COLOR	APPROX. DIMENSIONS (IN)			CTN QTY	EST. SHIPPING	
				H	W	L		WEIGHT (lbs)	UNIT
13137	GPC 2	GP2	YELLOW	1 <sup>7</sup> / <sub>64</sub>	1 <sup>25</sup> / <sub>32</sub>	1 <sup>7</sup> / <sub>32</sub>	12	0.46	CTN
13138	GPC 10	GP1/0	GRAY	1 <sup>1</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>32</sub>	2 <sup>5</sup> / <sub>8</sub>	6	0.36	CTN
13140	GPC 250	GP250	RED	1 <sup>5</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>8</sub>	3 <sup>7</sup> / <sub>16</sub>	6	0.40	CTN
13141	GPC 350	GP350	YELLOW	1 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	3	0.42	CTN
13142	GPC 500	GP500	BLUE	2 <sup>3</sup> / <sub>32</sub>	3 <sup>5</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>8</sub>	3	0.46	CTN
13134	GPC 750	GP750	ORANGE	2 <sup>11</sup> / <sub>32</sub>	3 <sup>7</sup> / <sub>16</sub>	4 <sup>5</sup> / <sub>8</sub>	3	0.65	CTN



#### Dual-Rated

CU9AL  
600V 90°C



For copper-to-copper,  
copper-to-aluminum,  
aluminum-to-aluminum

600V 90°C

For indoor use only

