



FS System

- Conforms to UL SUB 2703¹
- Certified to ULC/ORD STD C1703
- Electrically bonded unit
- High level of pre-assembled components with industry leading installation time
- Made of high quality sustainable aluminum
- Highly adjustable



The Schletter **FS System** has a proven product performance and installation history, with over 8 GW installed worldwide. When purchasing an FS System, be confident in knowing product performance and safety are designed into every Schletter system.

Project specific engineering is available while optimized material usage addresses the ever-increasing need to reduce costs. When ordering a Schletter system, complete structural calculations are provided for the design, assuring compliance with current building codes and regulations.

The FS System is the result of experience gained through years of project planning and implementation. The system is enhanced with new support designs that includes the highest level of pre-fabrication and can accommodate nearly any type of PV module currently on the market. **The result is a durable attractive system installed quickly and efficiently.**

The FS System purlins feature a profile geometry that is designed for optimal distribution of forces. Purlins are attached to the girder by means of special mounting claws that are pre-assembled in the exact position required for the chosen module. Bolt channels are integrated in all profiles for more efficient field installation.

Design Process

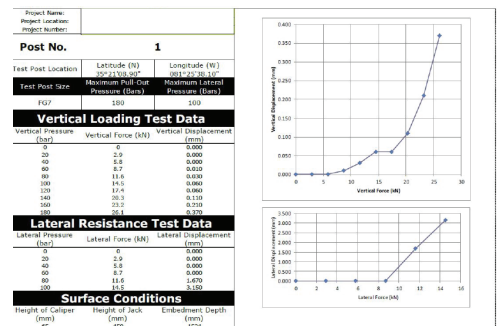
Thorough soil investigation and pull out test of post at the project site. **Layout planning** using **Helios 3D™** layout software.

For United States, visit www.schletter.us or call **888-608-0234** or for Canada, visit www.schletter.ca or call **519-946-3800** to speak to a Schletter representative for more information.



What to Expect from Schletter

- When other mounting providers say it can't be done, with Schletter, it can
- 100% IBC 2006, 2009, or 2012 code compliant systems, with PE wet stamps available in most states
- Exceeding the competition in providing quality steel and aluminum products
- Team of engineers offering full in-house services
- In-house geotechnical services
- Highly automated production for the fastest turnaround time in the industry
- Over 20-years solar mounting engineering and manufacturing experience





Kinny Construction

Quick, On-Site System Installation

- Foundation posts are quickly installed using GAYK hydraulic ram
- Place the support on post attachment head and bolt lower strut
- Insert locking wedge into attachment head
- Install purlins
- Install module using adapted versions of Schletter's grounding **Rapid5K™** **Module Clamps**

PV Powersite

Order an FS System On-line at www.pvpowersite.com!

Ideally suited for projects of 50 kW or smaller in size, using 60 or 72 cell modules, PV Powersite makes ordering convenient and fast. Users are provided with a permit-ready package which includes:

- Structural acceptance letter
- System drawings
- Parts list

Connect Multiple Racks

For PV installations with more than one mounting system, electrically bonding individual racks is easy and affordable with Schletter's

Bonding Jumper.

- Connects directly to purlin
- Available in 6-inch to 48-inch lengths
- Electrically bonds adjacent systems forming a continuous ground path

Technical Data

Material	<ul style="list-style-type: none"> • Fastening elements, bolts: Stainless steel 304 and 316 • Profiles (rails): Aluminum alloy 6105 T5 • High life-expectancy, high residual value, no disposable cost • Pile-driven support posts: Steel, galvanized, ASTM A123 Grade 75
Logistics	<ul style="list-style-type: none"> • Industry leading installation time of 330 man-hours per megawatt • Maximum level of prefabrication prior to shipment
Delivery and Services	<ul style="list-style-type: none"> • Geotechnical investigation and structural analysis
Structural Analysis	<ul style="list-style-type: none"> • Structural analysis based on a geotechnical investigation for local terrain condition • P.E. stamped drawings and calculations • Individual systems analysis based on local load values • Design loads according to IBC 2006, 2009, or 2012 (ASCE 7-05, ASCE 7-10) • Highly efficient, material-saving profile geometries • Verification of all construction components based on FEM-calculation
Warranty and Certifications	<ul style="list-style-type: none"> • 20-year limited warranty • Conforms to UL SUB 2703 • Certified to UL/ORD STD C1703

¹The FS System is evaluated for electrical bonding only. The FS System meets all IBC and ASCE requirements for structural loading; it has not been evaluated for loading under UL 2703.



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