

Specification Sheet

P90 | BENCH

Designed and manufactured in Saskatchewan, Canada, P90 | BENCH ground mounts are premium industrial grade solar systems built to provide greater solar yields and withstand extreme weather events. They are designed for ease of installation in many locations and to securely lock in a fixed angle.

P90 | BENCH owners can look forward to a 50+ year rack lifetime.



Technical Advantages

- Two vertical (2V) module systems, engineered and manufactured in Saskatchewan, Canada, using Canadian steel surpassing CSA “Structural Grade” standards.
- Structural integrity warranty 25 years, including ambient temperature swings from -45 C to +60 C.
- Industrial-grade ASPM-A153-Galvanized hot dip coating.
- Optimized to accommodate large format modules. Specifically designed to utilize Bi-Facial Solar Modules to maximize albedo performance.
- Easily accommodates rolling hills and steep terrain, removing additional groundwork costs. Reduces environmental concerns, ground erosion and project delays.
- System expansion is considered in the design and addresses the thermal expansion of metals in harsh climates. (-45 C to +60 C ambient temperatures)
- Stock available and rapid turnaround times on manufacturing, in-house electrical, structural and foundation designs available. -
- CSA/UL/CE/ETL listed electrical components exceed all Canadian and North American Electrical Code requirements.
- Premium steel assembly for ease of installation and to securely lock in site-specific sun angle.
- Integrated inverter mounting bracket(s). (Customized brackets to meet client needs are available)
- Industry-leading manufacturing and field assembly times for lower costs and swifter system delivery to clients.
- Engineered to withstand 250 km/hr+ intermittent wind speeds at 45-degree angle. (Angle promotes snow/debris shedding for greater power generation gains)
- P90 | BENCH design removes solar module sagging and prevents “torsion galloping” in high wind. (Torsion galloping can create solar module glass micro fractures)
- Modern manufacturing facility, experienced staff incorporating robotic automation and adhering to SMAW, GMAW, CWB welding and laser fabrication standards.

Premium Equipment and Materials

(Illustrations not to scale or complete, not intended for construction.)



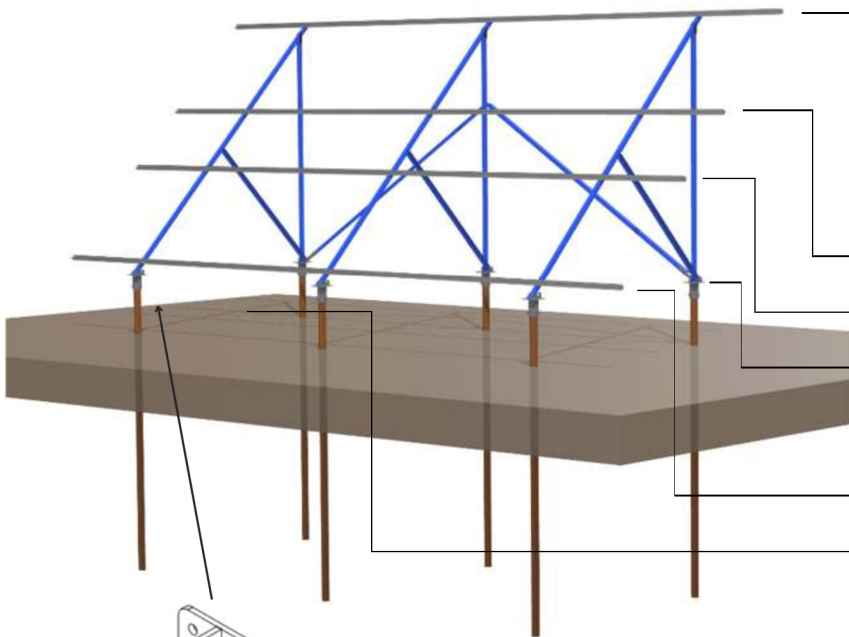
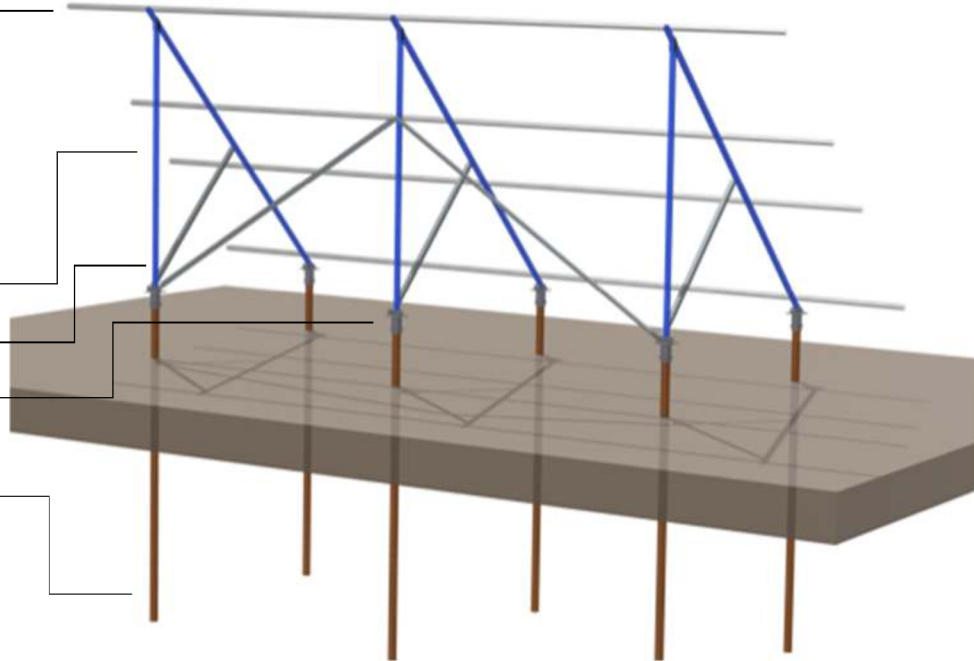
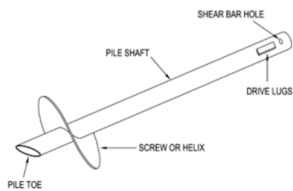
ETL/CSA/UL/CE listed electrical components meet all Canadian and North American Electrical Codes.

Durable industrial grade coating on all steel components.

High tensile strength, durable, shock resistance.

Industry leading field assemble time frames.

Helical/screw pile, concrete and ground-driven foundation designs available, P90 | BENCH use, location and model will determine the foundation type. (In House Mfg.)



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Stainless Steel module clamping with integrated WEEB bonding with bolt/nut locking mechanism.

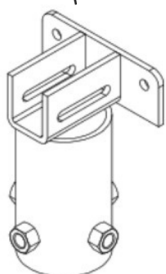
Designed to securely fasten Bi-Facial Solar Modules.

Galvanized STEEL cross bracing for module mounting.

All welding is performed by a CWB-certified fabrication shop with modern robotic automation.

Integrated inverter mounting strut.

Ground clearance and cross sections designed specifically to enhance Bi-Facial Solar Module albedo/reflective effect and minimize snow drifting.



P90 | BENCH Screw pile caps are fabricated In-House with laser cut, 100% Canadian, thick gauge, structural grade steel. They are designed to perform in our extreme Canadian Weather events.