

KSTRONG®
UNRIVALED SAFETY.

KS GROUP

**SOLAR ENERGY
FALL PROTECTION SOLUTIONS**

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Introducing KStrong's Solar Energy Fall Protection Solutions

Demand for rooftop-mounted solar panels is growing and workers face increased fall hazards near roof edges, skylights, and roof hatches. **Solar energy fall protection** involves using systems to prevent falls: **during the installation and maintenance**. KStrong specializes in providing reliable solutions including Safety PPE, lifeline systems, and guardrails, specialized anchor points and systems designed for various Solar roof types. Integrating to the solar panel roof layout improves costs and safety.

KStrong has developed **solar energy Fall Protection solutions tailored to the unique challenges of Solar roofs** and has years of expertise/experience in providing the systems and PPE.

Benefits of our Approach

- Minimized equipment requirements, **reducing costs and complexity**.
- **Reduced commitment for inspection and maintenance**, ensuring efficient operations.
- Simplified staff training using standardized solutions, enhancing safety awareness.
- **Improved technician safety** with easy-to-implement fall protection controls.
- Easy transferability between different Solar panel and sites, facilitating seamless operations.

Why Choose Us

- Our solutions prioritize safety without compromising efficiency. **We understand the unique challenges of the solar energy sector** and tailor our solutions accordingly.
- Our expertise assures protection of your technicians and your business, ensuring peace of mind during solar energy operations.

Compliance with Safety Standards

Safety standards for working on solar installations are designed to prevent accidents, minimize risks to worker health, and maintain a secure working environment. These standards are established by national or international regulatory bodies and are based on proven research and industry best practices. Below are some key elements of safety standards for fall protection in the solar energy sector:

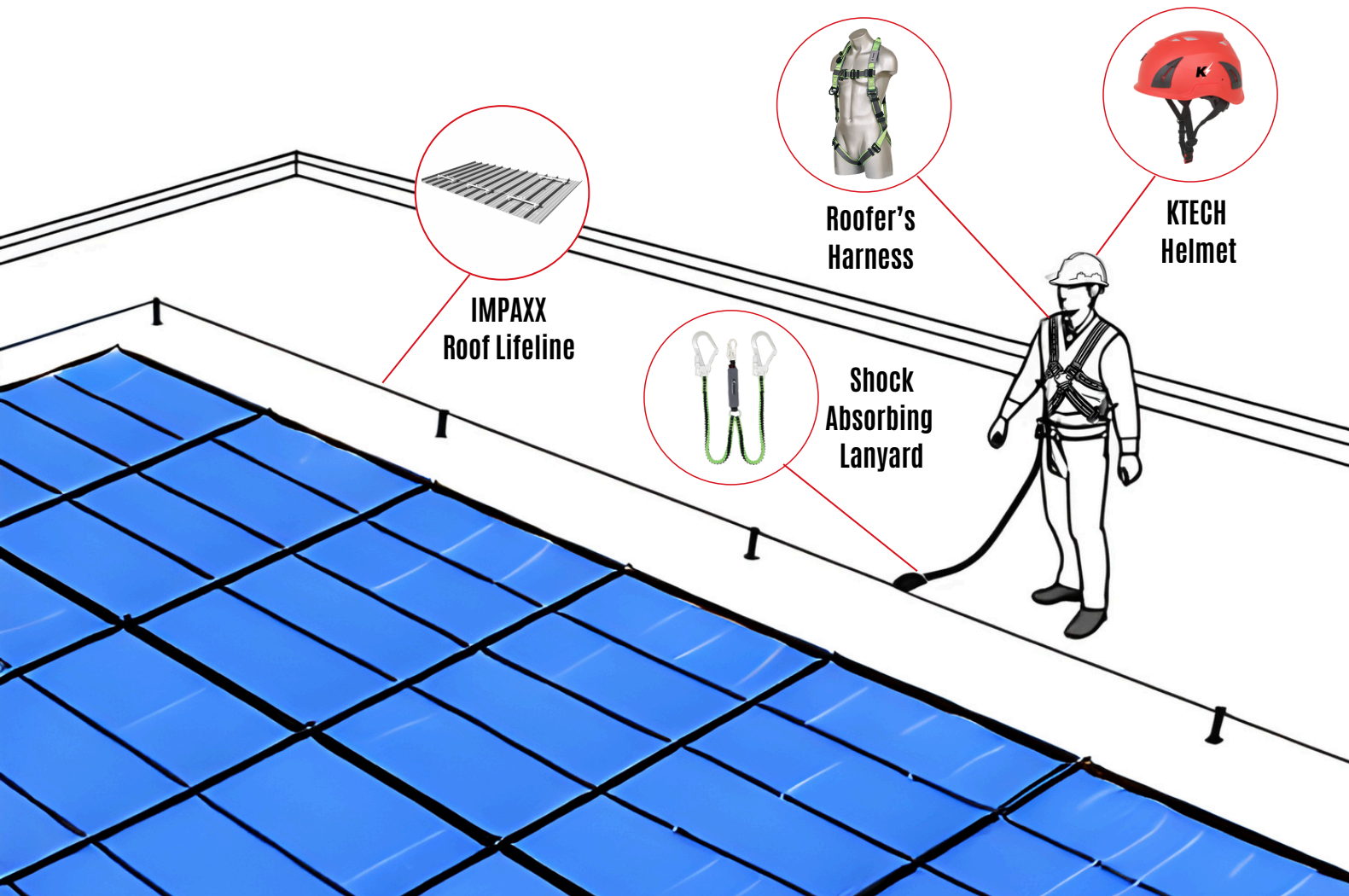
- **Regulations require that all fall protection equipment be certified** according to the latest safety guidelines. This includes safety harnesses, lifelines, energy absorbers, lanyards, and connectors, which must be regularly inspected, maintained, and replaced when necessary. Safety harnesses must meet recognized standards such as EN 361 (fall arrest harnesses), EN 355 (lanyards for fall prevention).
- In addition, other applicable standards cover essential components like lifeline systems and anchorage devices (EN795:2012 Type C and TS 16415:2013), ensuring comprehensive protection for solar workers operating on rooftops.



FALL PROTECTION FOR SOLAR ENERGY

Introduction to Selecting Fall Protection for Solar Panel Work

Key considerations for choosing appropriate fall protection equipment: the **site-specific hazards**, equipment **standards**, and **compatibility with the rooftop structure**. Essential components: full-body harnesses, energy absorbing lanyards, horizontal lifelines, that meet industry standards and certifications, such as those set by ANSI, OSHA, or EN, depending on the location.



AFF4000 IMPAXX SERIES

ROOF LIFELINE SYSTEM

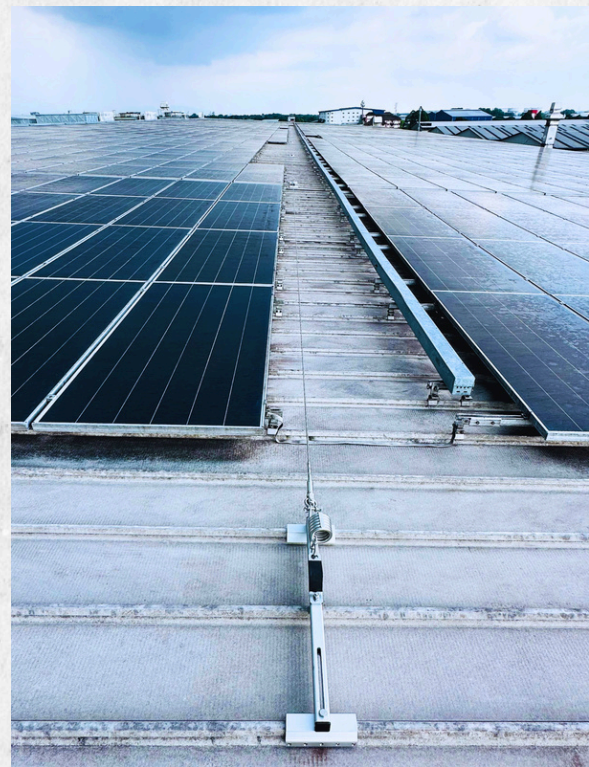


OVERVIEW

The AFF4000 IMPAXX lifeline series is **designed for commercial and industrial buildings** of all structural types and covers all your working-at-heights requirements for maintenance, cleaning, access and inspections. It provides a permanent connection for **up to 4 users** without interruption along the entire length of the horizontal wire cable line through the intermediate posts, **thus ensuring 100% anchorage of the user at all times.**

FEATURES

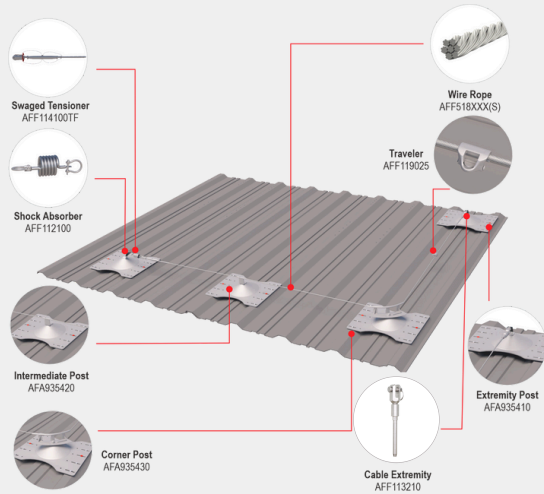
- ✓ Certified for up to 4 users
- ✓ Manufactured from 6061 T6 Aluminum and 316 Stainless Steel
- ✓ Suitable for Trapezoidal, Standing Seam, & Kliplok Roof Profiles
- ✓ 8mm wire cable thickness (grade 316)
- ✓ Suitable for both fall arrest and fall restraint
- ✓ Inbuilt shock absorber with tension indicator
- ✓ Passed system operating temperatures between -40°C to +60°C
- ✓ Uses water proof rivets & self drilling screws to attach to the roof posts



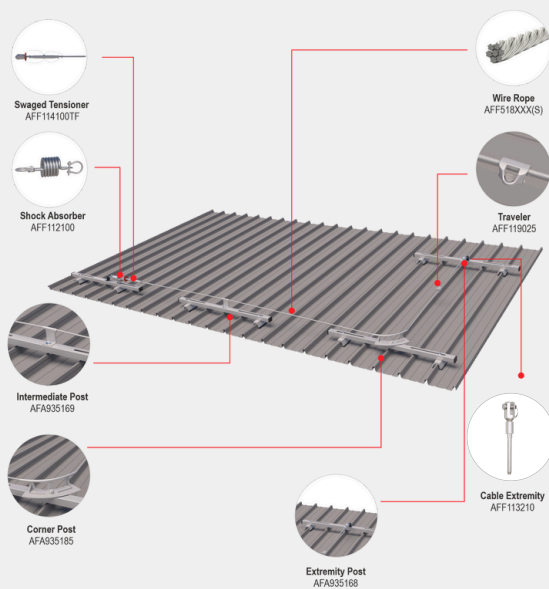
OUR PRODUCT SOLUTIONS

IMPAXX LIFELINE COMPONENTS

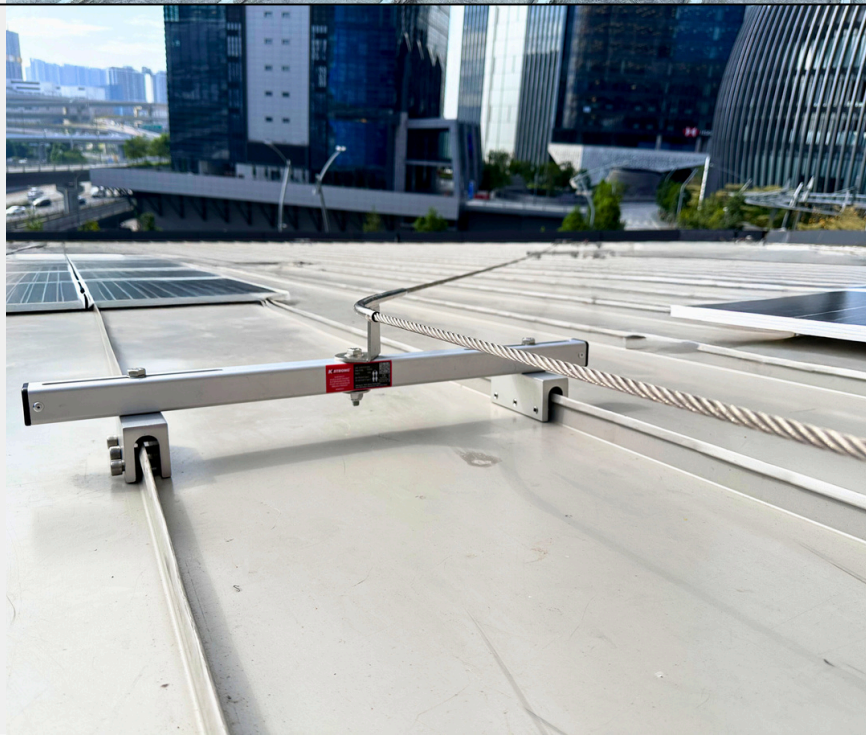
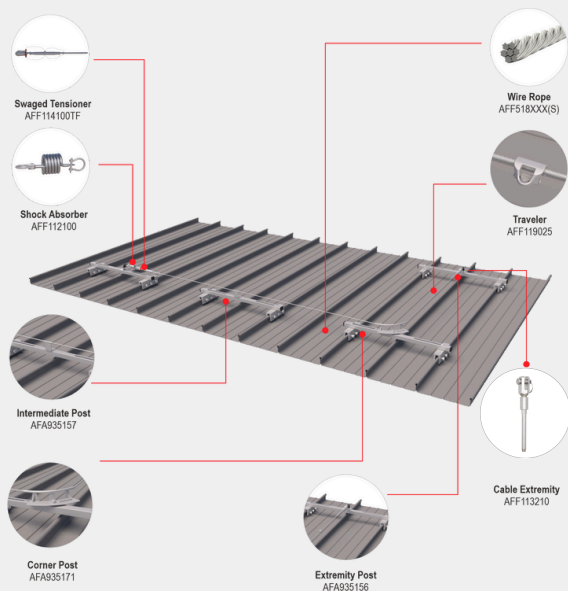
TRAPEZOIDAL ROOF PROFILE



KLIPOK ROOF PROFILE



STANDING SEAM ROOF PROFILE



OUR PRODUCT SOLUTIONS

ELITE ROOFERS

FULL BODY HARNESS

FEATURES:

- ✓ With Extension Strap for Rope Lines
- ✓ Suitable for Vertical & Horizontal use
- ✓ Fall Arrest Front & Rear D-Ring
- ✓ Rear Sit Strap
- ✓ Adjustable Chest, Shoulder and Leg Straps
- ✓ Rescue Loops
- ✓ Certified to EN 361:2002 & EN 1497:2007

SCAN TO VIEW
PRODUCT



AFH300203



ELITE TWIN LEG 1.8M WEBBING LANYARD C/W SNAP & SCAFFOLD HOOKS

FEATURES:

- ✓ 25mm Jaccard Webbing
- ✓ Snap Hook
- ✓ Scaffold Hooks
- ✓ Energy Absorber
- ✓ Certified to EN 355:2002 & EN 354:2010

SCAN TO VIEW
PRODUCT



AFL408389



ROOF WORKERS KIT 20M

FEATURES:

- ✓ Flexible system for setting up fall protection while Working on Roofs
- ✓ Compliant safety kit for use on domestic, commercial, and industrial roofs
- ✓ Kit Includes:
 - Essential Harness (EN 361:2002)
 - 20M Rope Line c/w Rope Grab & Energy Absorber (EN 353-2-2002)
 - 1.5M Anchor Strap (EN795:2012 Type B)
 - Backpack Style Dry Bag



AFK110009

SCAN TO VIEW
PRODUCT



KTECH

CLIMBING & RESCUE HELMET

FEATURES:



Airflow Ventilation
Minimizes Heat
Buildup



Up & Down Size
Adjustment for a
Secure Fit



Made for added
Wearing Comfort



High-Density
Polypropylene Shell



Retractable Visor



Certified to
EN 12492 Standards



RED

AHC101001R



WHITE

AHC101001W



ORANGE

AHC101001O

The multifunctional KTECH Safety Helmet is in a class of its own. It provides the user with optimum protection from falling objects and excellent impact absorption in the event of a fall. Thanks to its innovative & Ergonomic design, it delivers comfort, quality, and durability without neglecting style.

SCAN TO VIEW
PRODUCT



ADDITIONAL PRODUCT SOLUTIONS



**TWIN MICRON SRL 2 METER
C/W ALUMINUM SWIVEL SCAFFOLD HOOK**
(AFS550102D)
EN 360:2002, VG11 RFU # 11.060



**2-MAN 20M WEBBING
TEMPORARY HORIZONTAL LIFELINE**
(AFA940001)
EN 795:2012 TS 16415:2013 TYPE B & C



**4-MAN WRANGLER 25M
ADJUSTABLE HORIZONTAL LIFELINE**
(AFA940010)
EN 795:2012 TYPE C & TS 16415:2013 TYPE C



SUSPENSION TRAUMA STRAP
(AFZ150100)





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