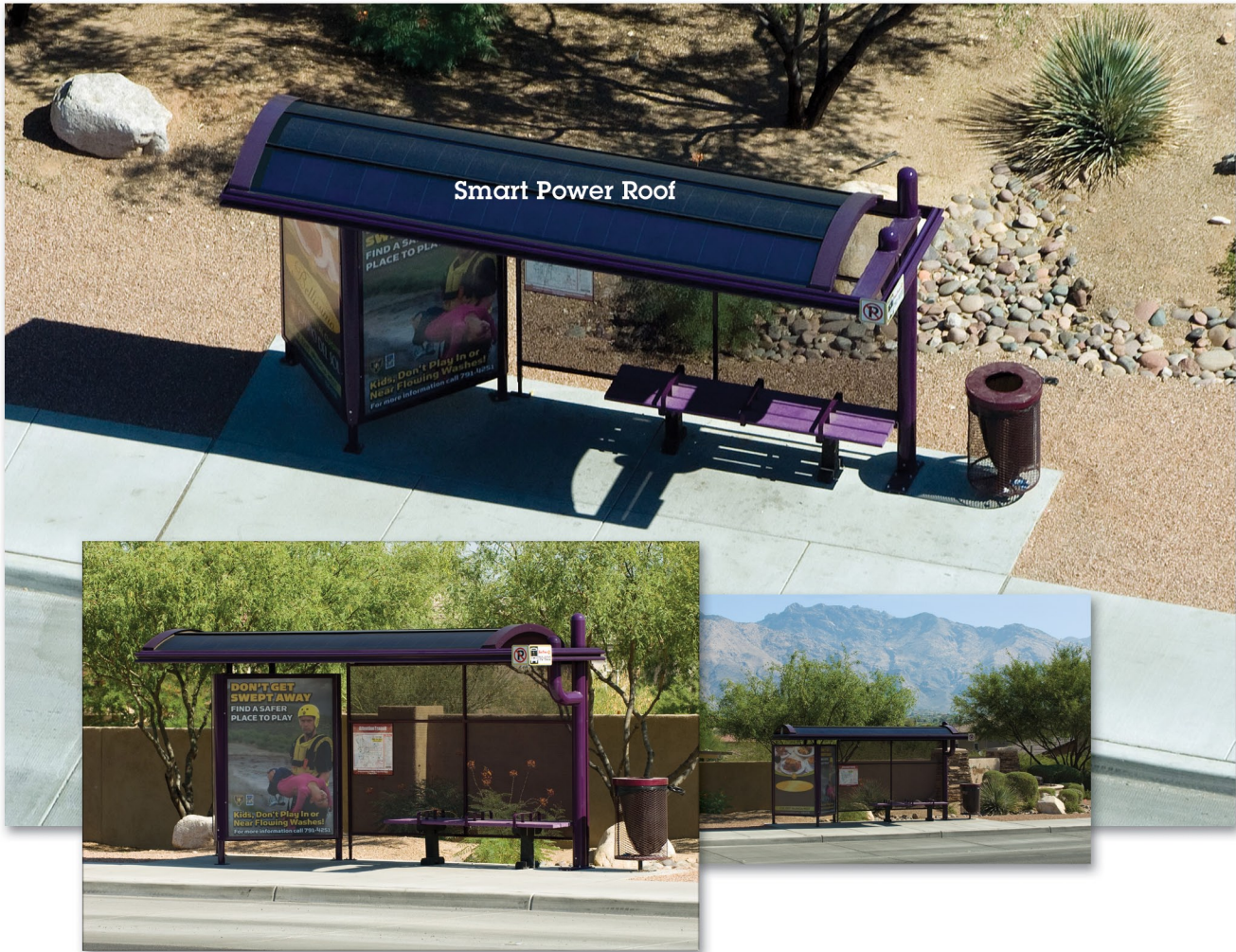


## Integrating SmartPower Solar Roof with Bus Shelters



- **Remote location capable. No wiring or costly trenching needed.**
- **Sizes – 204 watts @ 12 volts, 248 watts @ 24 volts, 372 watts @ 24 volts**
- **Length – appropriate up to 20'**
- **Enhances design and roof aesthetics**
- **Solar laminates conform completely with a curved roof.**
- **Vandalism resistant**
- **Premium quality standing seam metal roof is weather-tight and has an extremely long life span.**

# Complete modular roof systems that utilize a smart controller with battery storage.



**Integrating** the latest UL approved Uni-Solar™ laminate technology with premium metal roofing by MasterCraft Metals, Inc., the SmartPower Roof™ provides customers with cost effective power generation from an attractive integrated roof.

Sundial Energy's Solar Bus Shelter roofs provide electricity to attached advertising kiosks and security lighting without being connected to the grid. **The bus shelters are complete stand alone low voltage electric systems** that utilize a smart controller with battery storage.

Architects and the public appreciate the **clean lines** of the solar laminate. **Simple, fast installation** of the modular roof assures client satisfaction. Clients will rest easy knowing they've purchased a quality product backed by solid warranties: **20 years** from Uni-Solar and **10 years** from MasterCraft Metals, Inc.

**SmartPower Roof delivers where it really counts: performance.** The SmartPower Roof generates electricity even at very low sun angles and continues to perform well under the hottest conditions or cloudy weather.\* By laminating the solar to the curved roof the energy through put is more consistent as the sun passes over the arc of the roof than with rigid frame mounted modules.

## Why SmartPower Roof?

**Speed:** Sundial Energy's Solar Bus Shelter SmartPower Roof installs faster than all other solar panels. On-ladder time is minimized and no roof racks are needed with this system.

**Efficiency:** Due to their remarkable temperature and shadow tolerance, Solar Bus Shelter SmartPower Roofs produce more electricity than traditional crystalline panels, on a watt-per-watt basis, in actual power output.\*

**Aesthetics:** In the SmartPower Roof system the power producing surface is laminated directly to the metal panels to maintain roof profiles from all directions. The SmartPower Roof's unobtrusive quick connect wiring system is hidden in roof details to eliminate the negative visual impact associated with rack-mounted crystalline modules.

**Flexibility:** The SmartPower Roof can be installed over a wide range of roof geometries, from 3.5° to 60°.

**Reliability:** The SmartPower Roof will last. With no penetrations through the roof panels in typical installations, any potential for roof failure is minimized. Since power is produced under diverse temperature and lighting conditions, more electricity will be available when you need it. And, Uni-Solar includes a 20 year power output warranty.

**Vandalism Resistance:** Sundial Energy's Uni-Solar laminates are highly resistant to vandalism. They have no glass to shatter and aggressive adhesion makes them extremely difficult to remove.

SmartPower Roof™ is a Uni-Solar trademark.

\*Paper 6B.7.3 presented at the 20th EPVSEC Conference, Barcelona (S), June 2005.

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