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# SOLARTODAY

EADING THE RENEWABLE ENERGY REVOLUTION

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Falling Beling

While U.S. solar projects boom, the manufacturing side struggles



Making Net-Zero Affordable in Massachusetts 40

in Milwaukee 36

Showcase: Solar Heating Products 52

Overcoming Solar Snags at Seattle's Stadium 66

American Solar Energy Society 4760 WALNUT ST SUITE 106 BOULDER CO 80301



## **UV-Protected Cable Ties Offer Durability**

Heyco Products has launched a line of solar-specific SunBundler cable ties, designed to handle cable bundles from 2.3 inches (5.8 cm) to 4.20 inches (10.7 cm) in diameter. For long-term durability they're constructed of aircraft-grade stainless wire, with a UV-protected vinyl jacket to prevent damage to cable insulation. The tin-plated copper crimp sleeve permits easy field installation with standard wire cutters. heyco.com



# **Cooper Bussmann Protects PV Systems from Surges**

Cooper Bussmann's new surge-protection device (SPD) range includes products that help save solar PV installations from lightning strikes and other electrical surges, over-voltages and transients. Multi-pole, modular prewired DIN-rail-mount SPDs feature a module-to-base locking facility. An integrated fuse link allows safe module replacement on live systems without arcing. The product meets UL 1449 (3rd edition) and IEC 60364-7-712. Indicator flags show module protective status (green = good, red =replace). www.cooperbussmann.com/surge



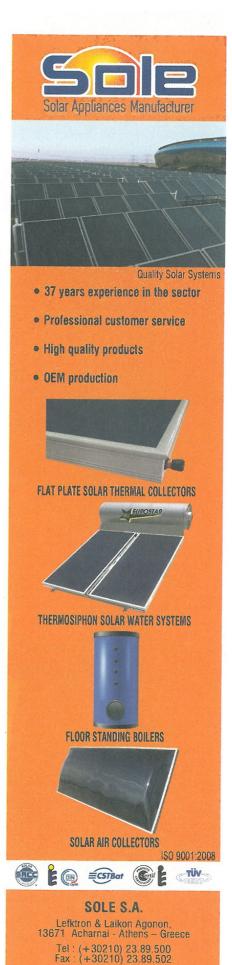
# **Solar Thermal Pump Stations**

Heavy-duty commercial solar pump stations from Free Hot Water integrate major functionality and safety components into one compact, pre-assembled, pre-engineered, high-quality unit. The company will calculate the pump and pipe size to accommodate collector flow rates, pressure loss in pipes, valves, fittings and heat exchangers. freehotwater.com



## **Pyranometer Tilt Kit**

Kipp & Zonen now offers an accessory to tilt a CMP pyranometer to match the pitch of the array. The Adjustable Tilt CMP Mounting Kit allows a monitoring system to read the energy available within the "aperture" of the actual modules. It can be fixed to a horizontal surface and has a clear scale for zenith angle in degrees, plus a secure locking device. kippzonen.com



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