Solar Supply powers wireless network devices

Banner Engineering's *Flex*Power™ Solar Supply [1] , BWA-SOLAR-001, delivers a complete solution specifically designed for powering SureCross™ Wireless Network [2] devices—offering an integrated charge controller, rechargeable battery pack, AC wall charger and mounting hardware. The battery pack recharges in direct sunlight and continues to power the SureCross™ devices autonomously when sunlight is not available. The Solar Supply is an ideal solution for applications where wired power is not available or that require more power than a single-cell DX81 [3] battery supply can provide.

Solar Supply Example 1:
Continuously Monitoring a 4-20 mA Transmitter
Often, in the oil and gas industry, the high value of the product requires that flow is measured continuously. Examples include custody transfer, remote drilling, and pipeline flow applications. A single *Flex*Power™ Solar Supply provides enough current to continuously power a 4-20 mA two-wire transmitter and *Flex*Power™ Node. This application requires an average of 80 minutes of sunlight per day and provides about 10 days of power without sunlight.

Solar Supply Example 2:
Wireless Network Range Extension
Extend the range of Banner's SureCross™ Wireless I/O network using solar-powered Data Radios. The *Flex*Power™ Solar Solution provides continuous power to a Data Radio and *Flex*Power™ Gateway. To complete the wireless network, battery or solar-powered Nodes collect I/O data up to 3 miles away. Visit www.bannerengineering.com [4] for an overview of SureCross™ Wireless Network architecture.

Battery Backup Feature
The *Flex*Power™ Solar Supply can be used in addition to the DX81P6 Six-Pack Battery Supply as a backup power source. If the solar panel is damaged, the DX81P6 Battery Supply will provide backup power for a few weeks or longer depending on the load. For example, the battery backup can support a 2-wire sensor powered continuously with 15V at 20mA and a *Flex*Power™ Node transmitting once per second for up to 30 days.

Reduce Waste and Save Money with Solar
Banner's *Flex*Power™ Solar Supply is a stand-alone power option that enables wireless sensing where wired power is not available. The use of rechargeable batteries reduces the number of batteries necessary for long-term operation and ultimately minimizes electronic waste and saves money.

Visit BannerEngineering.com/Solar [5] for more information.

About Banner. Banner Engineering is the world's leading manufacturer of wireless networks, photoelectric and ultrasonic sensors, vision sensors, electronic machine guarding systems, fiber optic assemblies and precision measurement systems.

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[4] http://rs6.net/tn.jsp?et=1102834517139&s=724&e=001xNz_P0snMVe9z2A4fI9-UUyPNhAFiUkKe6czM2fNDh5pQ3JWAVYI65kPFwgi4Zhs5ZVlCA8zaoiVX9HtP4WALpV4H1aM2JInkLptrH5eUaJBW5ViYrW9jQ==
[5] http://rs6.net/tn.jsp?et=1102834517139&s=724&e=001xNz_P0snMVeNun3CoKMwdYSkjvR02fGsaHDUWhJW0uX_b54J1XqwUuzfYY7MhMcTetpptOoh9BArbU0ucrIQF7BAAr8S0tIu4DY4KtLiVfN3gqnmhL56kz6X8f9gq8ZR
[6] mailto:sensors@bannerengineering.com
[7] http://rs6.net/tn.jsp?et=1102834517139&s=724&e=001xNz_P0snMVeMJUvBlhl-mLG37bzvg66twMlCoPZM3Q8a3Rzt3ebKtJmJ0mUpqiE35torDi2rsdVsnEQOe

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