

Covert Solar Power

ELIMINATE CHANGING BATTERIES AND BURNED SITES

START[®]

START[®] Covert Solar Power (CSP) by WilliamsRDM is a covert, solar charging system for 6-24V cameras, Unattended Ground Sensors (UGS) and other devices deployed in remote locations. START CSP's various natural-looking form-factors are designed to extract as much solar energy as possible under varying light conditions while blending in with the surroundings. START CSP's power management prevents over-charging batteries, one of the main causes of battery failure in solar powered remote deployments.



START Covert Solar Panels



Rocks

Solar panels disguised as rocks can be made to match natural terrain in any environment.



Logs

Solar panels disguised as logs can be made to match natural trees of any region.



Tires/Debris

Solar panels can even be disguised as tire treads, scrap concrete, or other types of debris that might be normally be found in the area being monitored.

Applications

- Hunting
- Border Security
- Prisons
- Game Management
- Ground Sensors
- Special Forces
- Residential
- FOBs

Benefits

- Minimize Deployment Site Disturbance
- Reduce Hassle & Cost of Battery Replacement
- Reduce Environmental Impact
- Extend Battery Life
- Multiple covert form-factors available
- Optional Battery Box for systems without rechargeable batteries.

Features

- Maximizes solar charging efficiency under all lighting conditions.
- Incorporates Constant Current/ Constant Voltage Battery Charging to ensure batteries are properly charged
- Improved charging performance on overcast days or in partially shaded areas.
- Rodent Resistant Cabling
- Metal tabs can be used to secure the CSP to slopes.
- Use the optional WRDM Battery Saver Module to ensure batteries are not damaged due to over discharging.

About us

WilliamsRDM is a woman-owned, small business dedicated since 1963 to the design and manufacture of military grade automated test equipment, cable assemblies, connectors/adapters, and electronic hardware. We have decades of experience in all phases of electrical, mechanical, and software engineering—performing innovative new product development and manufacturing in Fort Worth, Texas.

We have a reputation for consistently meeting customer requirements for quality, delivery, risk, and value.

WilliamsRDM is a complete turn-key operation; all manner of business—from fabrication and assembly to design and engineering—are conducted in-house.



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12V Cameras

START CSP integrates with the existing camera system's battery box and with our Y-cable each camera is field-upgradable.



6V Cameras

START CSP uses an IP67 battery box with a standard plug for most 6V cameras that supplements internal AA batteries.



3rd Party Equipment

START CSP can integrate with most third-party equipment such as Unattended Ground Sensors (UGS).

Specifications

POWER	
OPTIMIZED ANGLE (FULL SUN)	3-5 W
FLAT ON GROUND (FULL SUN)	2-3.3 W
BATTERY FLOAT VOLTAGE	13.6V / 6.8V
BATTERY CHARGING CURRENT	400 mA
FOOTPRINT	
WEIGHT*	< 10 lb
APPROXIMATE DIMENSIONS	13.5 x 13.5 x 2.5 in
STD CABLE LENGTH	15 ft *extensions available
MATERIAL	
SOLAR CELL TYPE	Monocrystalline Silicon

*All weights and sizes are approximate depending on the application and form factor.