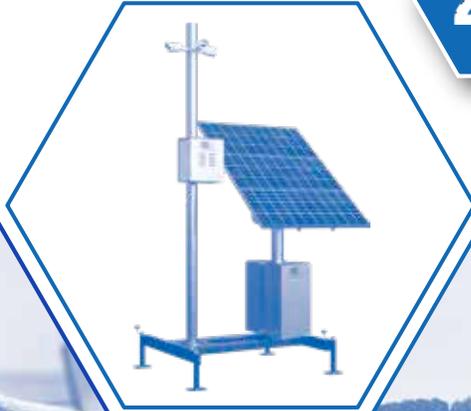
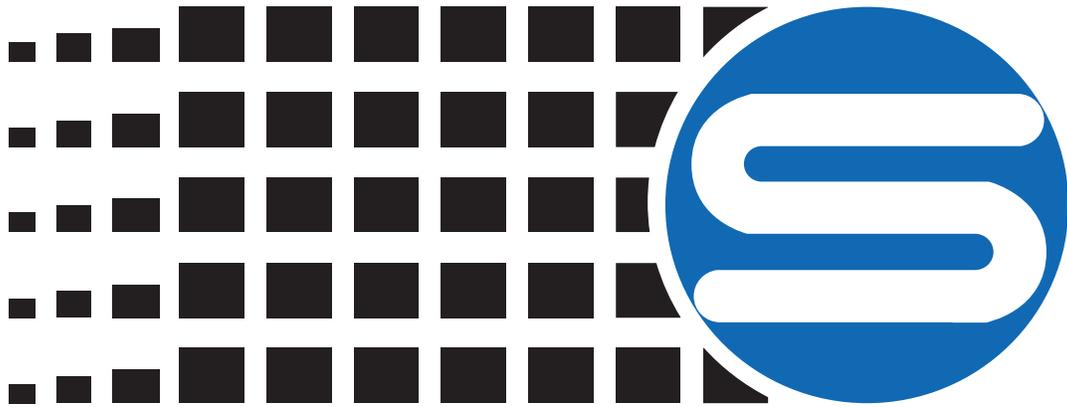


Sun Surveillance



24
7
365





Sun Surveillance





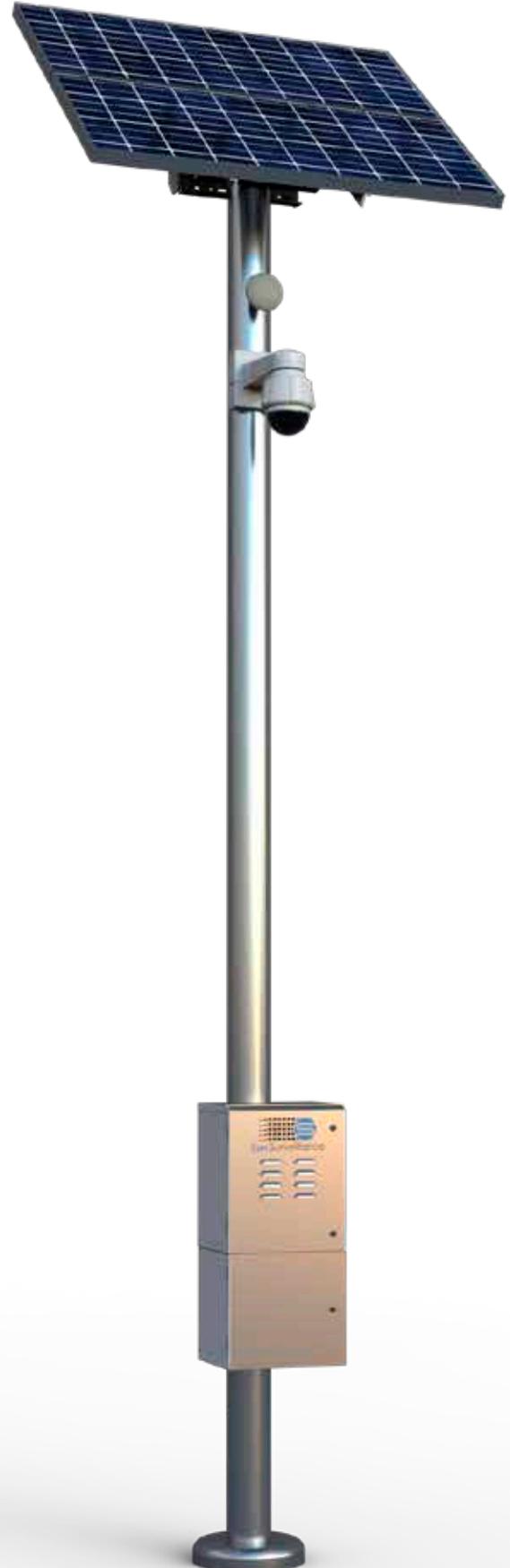


SolsticeCam™

The **SolsticeCam™** solar-powered wireless surveillance system can be installed nearly anywhere, and gives complete control of your cameras from anywhere in the world.

Compatible with virtually any IP camera on the market and ideal for remote video surveillance, including perimeter security for government and industrial facilities, railways, parks, construction yards, and parking lots.

All **SolsticeCam™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





SOLAR PANELS

Multi-crystalline silicon solar cell.

High transparency, low-iron, tempered glass.

Heavy-duty anodized frames.

Rugged design to withstand high wind pressure, hail, and snow load.

WIRELESS

Point to Point	Point to Multipoint	Mesh	Cellular*
2.4 GHz	2.4 GHz	2.4 GHz	5G
5.8 GHz	5.8 GHz	5.8 GHz	4G/LTE

*System is designed for your preferred wireless solution.

CAMERAS

ACTI	AVA	AV COSTAR	AVIGILON
AXIS	BOSCH	DAHUA	FLIR
GANZ	HANWHA	HIKVISION	MOBOTIX
PANASONIC	PELCO	VERKADA	VIVOTEK

*Custom SolsticeCam™ configurations are available for cameras not listed above.

POLE

Direct Burial, Sectional, Aluminum Pole: The 20' x 6" diameter (7m x 152mm) or 20' x 4.5" diameter (7m x 114mm) pole includes two sections: a 12' (3.5m) main section and an 8' (2.5m) base section. The base section is installed 4' (1.2m) below ground, leaving 16' (5m) total above ground.

Hinged Aluminum Pole: The pole is hinged at the base for an extremely easy installation. The hinged pole comes in two standard sizes: 16' x 6" diameter (5m x 152mm) (pictured at left) and 20' x 6" diameter (7m x 152mm.) Custom lengths below 20' (7m) can be requested.

Your Pole: All Sun Surveillance components are designed to mount to any flat surface or pole 4.5" (114mm) or greater.

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

OPTIONS

IR Illuminator: Various distances and angles.

Strobe Light: White, Blue, Green, Red.

Amplified Speaker: 10 watt amplifier and speaker.



Mobile Trailer SolsticeCam™

The **Mobile Trailer SolsticeCam™** solar-powered wireless surveillance system is designed to dynamically extend your security on demand.

The EZ-Lift manual winch quickly raises the telescoping pole, providing a clear and stable vantage point with complete control of your cameras from anywhere in the world.

All **SolsticeCam™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





SOLAR PANELS

Multi-crystalline silicon solar cell.

High transparency, low-iron, tempered glass.

Heavy-duty anodized frames.

Rugged design to withstand high wind pressure, hail, and snow load.

WIRELESS

Point to Point	Point to Multipoint	Mesh	Cellular*
2.4 GHz	2.4 GHz	2.4 GHz	5G
5.8 GHz	5.8 GHz	5.8 GHz	4G/LTE

*System is designed for your preferred wireless solution.

CAMERAS

ACTI	AVA	AV COSTAR	AVIGILON
AXIS	BOSCH	DAHUA	FLIR
GANZ	HANWHA	HIKVISION	MOBOTIX
PANASONIC	PELCO	VERKADA	VIVOTEK

*Custom SolsticeCam™ configurations are available for cameras not listed above.

TELESCOPIC MAST

The telescopic mast system features an EZ-Lift winch for rapid deployment.

Type: Square tube steel, 4 section, galvanized finish with powder coat base.

Height: 20' (6m)

Lift System: EZ-Lift manual winch

Max Payload: 165lbs. (75 Kg)

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

OPTIONS

IR Illuminator: Various distances and angles.

Strobe Light: White, Blue, Green, Red.

Amplified Speaker: 10 watt amplifier and speaker.



MobileLite SolsticeCam™

The **MobileLite SolsticeCam™** is a cost effective and flexible solar-powered wireless surveillance system, designed to dynamically extend your security on demand.

The telescoping pole extends quickly to a clear and stable vantage point with complete control of your cameras from anywhere in the world.

All **SolsticeCam™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





SOLAR PANELS

Multi-crystalline silicon solar cell.

High transparency, low-iron, tempered glass.

Heavy-duty anodized frames.

Rugged design to withstand high wind pressure, hail, and snow load.

WIRELESS

Point to Point	Point to Multipoint	Mesh	Cellular*
2.4 GHz	2.4 GHz	2.4 GHz	5G
5.8 GHz	5.8 GHz	5.8 GHz	4G/LTE

*System is designed for your preferred wireless solution.

CAMERAS

ACTI	AVA	AV COSTAR	AVIGILON
AXIS	BOSCH	DAHUA	FLIR
GANZ	HANWHA	HIKVISION	MOBOTIX
PANASONIC	PELCO	VERKADA	VIVOTEK

*Custom SolsticeCam™ configurations are available for cameras not listed above.

TELESCOPIC MAST

The telescopic mast is constructed from lightweight and corrosion resistant **6061** Aluminum.

Type: 4.5" (114mm) O.D., 6061 T6 Aluminum Alloy, 3 section

Height: 16' (5m)

Lift System: Manual, push up type, with 8 stabilizing lock knobs

Cabling: Internal, high performance coiled cable

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

OPTIONS

IR Illuminator: Various distances and angles.

Strobe Light: White, Blue, Green, Red.

Amplified Speaker: 10 watt amplifier and speaker.

The **H-BASE** camera system is an extremely robust mobile solution, providing a stable base for even the largest of solar arrays and poles.

Conventional limitations do not apply with the **SolsticeCam™ Mobile** line of systems. With support for a wide range of wireless and camera options, the **H-BASE** can be adapted to any security requirements.

The **H-BASE** allows for the widest possible range of poles and extendable camera mounts, with adjustable leveling jacks to ensure a stable installation in any environment.

As with all **SolsticeCam™** systems, our **Mobile** camera systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it most.





SOLAR PANELS

Multi-crystalline silicon solar cell.

High transparency, low-iron, tempered glass.

Heavy-duty anodized frames.

Rugged design to withstand high wind pressure, hail, and snow load.

WIRELESS

Point to Point	Point to Multipoint	Mesh	Cellular*
2.4 GHz	2.4 GHz	2.4 GHz	5G
5.8 GHz	5.8 GHz	5.8 GHz	4G/LTE

*System is designed for your preferred wireless solution.

CAMERAS

ACTI	AVA	AV COSTAR	AVIGILON
AXIS	BOSCH	DAHUA	FLIR
GANZ	HANWHA	HIKVISION	MOBOTIX
PANASONIC	PELCO	VERKADA	VIVOTEK

*Custom SolsticeCam™ configurations are available for cameras not listed above.

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

POLE MOUNT

The pole system features either a **Hinged Pole** or an **EZ-Lift winch** for rapid deployment.

Hinged And Sectional Aluminum Pole: The pole hinges at the base for an extremely easy installation. The hinged pole comes in a standard size: 12' x 6" diameter (3.5m x 152mm) (pictured at left)

EZ-Lift Winch:

Height: 20' (6m)

Lift System: EZ-Lift manual winch

Max Payload: 165 lbs. (75kg)

OPTIONS

IR Illuminator: Various distances and angles.

Strobe Light: White, Blue, Green, Red.

Amplified Speaker: 10 watt amplifier and speaker.



Solsticelight SolsticeCam™

The **SolsticeLight™** solar-powered lighting and system can be installed nearly anywhere as a turnkey solution.

All **SolsticeLight™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.



Pole powder coating color options
Other colors available on request



Pole Light With Optional Extension Arm



SOLAR PANELS

Multi-crystalline silicon solar cell.

High transparency, low-iron, tempered glass.

Heavy-duty anodized frames.

Rugged design to withstand high wind pressure, hail, and snow load.

LIGHTS

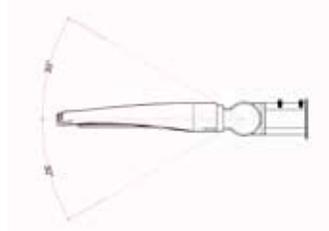
LED LIGHT MOUNT

Lumens: 9500

LLF : 1.000

Units: Fc Average: 0.46 Max: 4.3

Optional Motion Sensor



POLE

Direct Burial, Sectional, Aluminum Pole:

20' (6.096m) pole includes two sections: a 12' (3.5m) main section and an 8' (2.5m) base section. The base section is installed 4' (1.2m) below ground, leaving 16'(5m) total above ground.

25' (7.62m) pole includes two sections: a 15' (4.572m) main section and an 10' (3.048m) base section. The base section is installed 4' (1.2m) below ground, leaving 21' (6.4008m) total above ground.

30' (9.144m) pole includes two sections: a 20' (6.096m) main section and an 10' (3.048m) base section. The base section is installed 4' (1.2m) below ground, leaving 26' (7.9248m) total above ground.

Sectional poles are available in either 6" diameter (7m x 152mm) or 20' x 4.5" diameter (7m x 114mm)

Hinged Poles: The pole is hinged at the base for an extremely easy installation.

The hinged pole comes in two standard sizes: 16' x 6" diameter (5m x 152mm) and 20' x 6" diameter (7m x 152mm.) Custom lengths below 20' (7m) can be requested.

Mounting: All Sun Surveillance components are designed to mount to any flat surface or pole 4.5" (114mm) or greater.

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

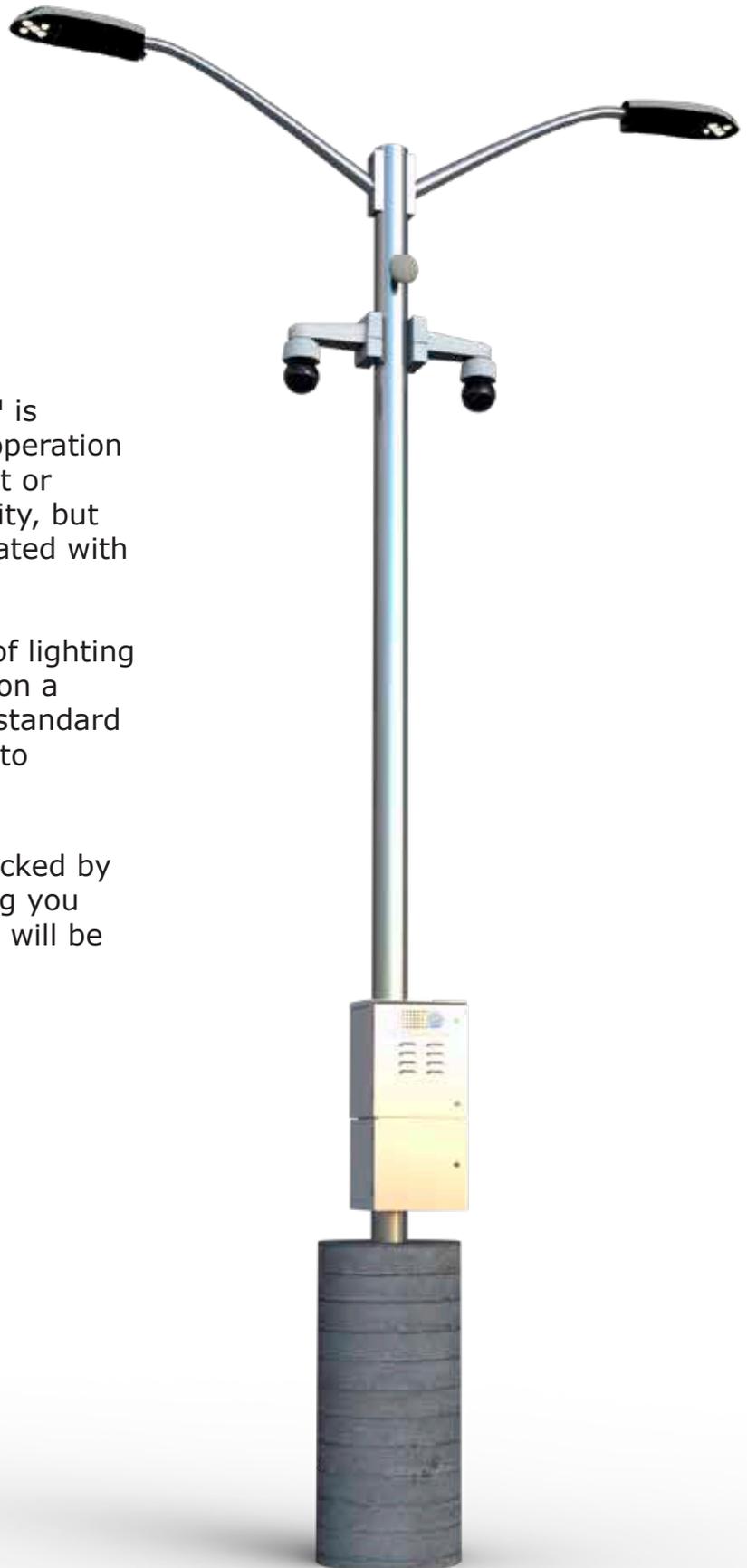


PowerBridge PowerBox™

The **PowerBridge PowerBox™** is designed to ensure continuous operation even in remote locations at night or with limited grid-power availability, but without the cost typically associated with solar based systems.

Compatible with a wide variety of lighting systems, including those based on a photocell or fixed timer. Comes standard with overload surge protections to preserve your investment.

All **PowerBox™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





UTILITY POWER

The **PowerBridge™** offers support for wide variety of applications, including photocell and timer based lighting systems with surge protection.

Input power: 115/230/380/480VAC nominal supported

WIRELESS

Point to Point	Point to Multipoint	Mesh	Cellular*
2.4 GHz	2.4 GHz	2.4 GHz	5G
5.8 GHz	5.8 GHz	5.8 GHz	4G/LTE

*System is designed for your preferred wireless solution.

CAMERAS

ACTI	AVA	AV COSTAR	AVIGILON
AXIS	BOSCH	DAHUA	FLIR
GANZ	HANWHA	HIKVISION	MOBOTIX
PANASONIC	PELCO	VERKADA	VIVOTEK

*Custom SolsticeCam™ configurations are available for cameras not listed above.

POLE

The **PowerBox™** is compatible with poles 4.5" (114mm) in diameter or greater, with included standard mounting hardware. Specify pole diameter and type (square, round, etc.) when ordering to ensure an exact fit for your application. External wiring is also included, reducing field prep and setup time.

BATTERY / ELECTRONICS

Enclosure: The enclosure is made of **5052** Aircraft Grade Aluminum, and is extremely corrosion resistant.

Electronics: All SolsticeCam™ systems are comprised of high quality, industrial grade components and can withstand the most extreme environments. Components include but are not limited to: charging circuit, overload protection, and power supplies.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank and solar array are sized to provide continuous power **365** days a year.

OPTIONS

IR Illuminator: Various distances and angles.

Strobe Light: White, Blue, Green, Red.

Amplified Speaker: 10 watt amplifier and speaker.



The **UPS PowerBox™** grid-power based surveillance system is designed to ensure continuous operation even in remote outdoor locations, or where grid-power is unreliable.

Offers a cost advantage over solar based solutions where grid-power is accessible. Comes standard with overload surge protections to preserve your investment.

All **PowerBox™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





SUPPORTED OUTPUT

Standard	Optional	Optional POE	Optional Passive POE
12v DC Nominal	120v AC*	802.3af	12v DC
24v DC Nominal	24v AC*	802.3at	18v DC
		Hi-POE**	24v DC
			48v DC

* Pure sine-wave regulated

** Supports power to PD over pairs 1/2 (-), 3/6 (+), 4/5 (+), 7/8 (-) up to 60W

UTILITY POWER SOLUTIONS

Supports a wide variety of applications and input power configurations. Provides power conditioning and surge protection with 0ms switchover on power failure. The optional 120v AC output delivers clean sine-wave regulated power for sensitive loads.

Input power: 120/240/380/480 VAC supported

POLE

The **PowerBox™** is compatible with poles 4.5" (114mm) in diameter or greater with included standard mounting hardware. Specify pole diameter and type (square, round, etc.) when ordering to ensure an exact fit for your application. External wiring is also included, reducing field prep and setup time.

BATTERY / ELECTRONICS

Enclosure: Vandal and weather-resistant **5052** aircraft grade Aluminum alloy NEMA 3R rated enclosure assembly.

Electronics: All PowerBox™ systems are built with field proven electronics.

Includes: charging circuit, overload protection, short-circuit protection, low-voltage protection, and surge protection for critical applications.

Batteries: Absorbent glass mat, sealed lead acid. The battery bank is sized to provide continuous power **365** days a year with multi-day backup capabilities.

	SS-BTB-1	SS-BTB-2	SS-BTB-3
Nominal Output Voltage	12v DC	12v/24v DC	12v/24v/48v DC
Output Power Capacity	250W	500W	750W

Runtime:

@ 25W Load	35 Hours	70 Hours	140 Hours
@ 10% Load	35 Hours	35 Hours	46 Hours
@ 25% Load	12 Hours	12 Hours	17 Hours
@ 50% Load	5 Hours	5 Hours	7 Hours
@ 75% Load	2 Hours	2 Hours	5 Hours
@ Rated Capacity	1 Hour	1 Hour	2 Hours
Operating Temperature	-22° F to 140° F	-22° F to 140° F	-22° F to 140° F

Sun Surveillance reserves the right to change the specifications without notice.



SolsticeCam™ Sectional Poles

SolsticeCam™ Sectional Poles are designed to provide an affordable and flexible mounting solution, allowing installation with less effort than other direct-burial poles.

The poles are constructed of schedule 40 extruded Aluminum, giving strength with corrosion resistance. They come prewired with all cables internally routed, giving the system added protection from both vandalism and the environment.

All **SolsticeCam™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





MATERIAL

6000 Series Aluminum Alloy Grade **6061** T6, Schedule 40
Ultimate tensile strength: *45,000 psi (310 MPa) typical.
Tensile yield strength: *40,000 psi (276 MPa) typical.

** Data provided by the Aluminum Association, Inc. and are not for design purposes.*

DIMENSIONS

SS-20DBP-4.5-AL-R-NT: 20' x 4.5" diameter, 0.237" wall (7m x 114mm)
SS-20DBP-6-AL-R-NT: 20' x 6.625" diameter, 0.28" wall (7m x 168mm)

Sectional design:

SS-20DBP-4.5-AL-R-NT:

Wind Load Data:

	Wind Speed	90 MPH	110 MPH	120 MPH	140 MPH
Main section: 12' (3.5m)	EPA* (ft ²)	27	17	14	9.5
Base section: 8' (2.5m)					
Coupler: 12" (305mm)					

SS-20DBP-6-AL-R-NT:

Wind Load Data:

	Wind Speed	90 MPH	110 MPH	120 MPH	140 MPH
Main section: 12' (3.5m)	EPA* (ft ²)	33.6	21.2	17.5	11.8
Base section: 8' (2.5m)					
Coupler: 14" (355mm)					

*Custom lengths can be requested.

WEIGHT

SS-20DBP-4.5-AL-R-NT: 81 lbs. (37kg)
SS-20DBP-6-AL-R-NT: 147 lbs. (67kg)

PROPERTIES

Pole Type: Direct-burial
Cross Section: Round
Finish: Satin-brushed finish

Wiring: Prewired with internal cable routing for added security.
Main section rotates 360° to facilitate solar panel and camera alignment during installation and is secured in place with 3/8" set screws.

* Sun Surveillance reserves the right to change the specifications without notice. EPA calculations based on 1.3 gust factor and assumes top of pole fixture mounting height.



SolsticeCam™ Hinged Poles

SolsticeCam™ Hinged Poles provide an affordable, robust, and lightweight solution. Featuring a unique hinged base design allowing for easy installation.

The poles are constructed of tempered 6063 aluminum, giving strength and corrosion resistance to withstand even the most extreme environments. Comes prewired with all cables internally wired, giving the system added protection from both vandalism and the elements.

All **SolsticeCam™** systems are backed by our performance warranty, giving you the confidence that your system will be available when you need it.





MATERIAL

6000 Series Aluminum Alloy Grade **6063** T4, Base A356-T6

Ultimate tensile strength: *45,000 psi (310 MPa) typical.

Tensile yield strength: *40,000 psi (276 MPa) typical.

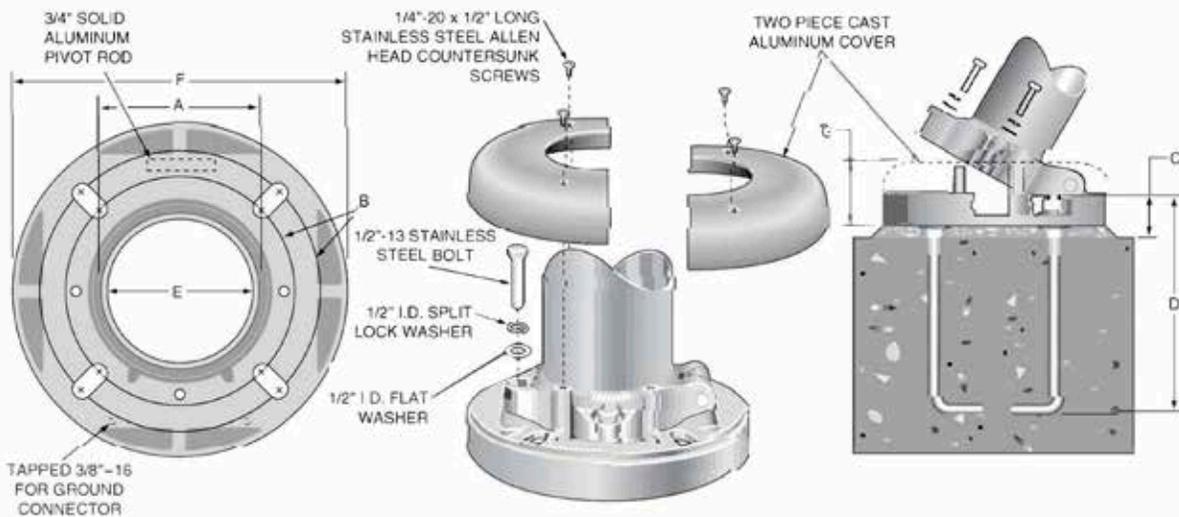
** Data provided by the Aluminum Association, Inc. and are not for design purposes.*

HINGED MOUNT

The pole hinges at the base for an extremely easy installation.

The hinged pole comes in two standard sizes: 16' x 6" diameter (5m x 152mm) and 20' x 6" diameter (7m x 152mm).

Custom lengths below 20' (7m) can be requested.





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