



EcoKit

Leverage Green Energy with Solar and Wind Power for Surveillance Systems

Moog Videolarm's solar and wind power kit provides a green power source for diverse environments where today's camera systems are required.

Leveraging both solar and wind technology, the EcoKit provides a steady 12Vdc power source to your camera system and its peripheral components. Surplus energy is stored in a sophisticated battery-backup system that can provide up to five days of continuous power draw.

Moog Videolarm's EcoKit accommodates a wide range of features, including: wireless communication, specialty camera housings, analog/IP cameras, and edge recording.

No other product on the market, designed specifically for camera systems, can accommodate such a variety of weather conditions. This geographic versatility coupled with Moog Videolarm's lineup of custom poles, cabinets, and mounting brackets yields a green solution that fits most of today's challenging camera environments.

Key Features

- ◆ Green technology converts solar and wind energy to useable 12Vdc power
- ◆ Rugged wind turbine blades generate a maximum 400W of power
- ◆ Encapsulated solar cells resist harsh weather
- ◆ Battery storage for up to five days at a continuous 20W load
- ◆ Low maintenance and operating costs
- ◆ Compatible with a variety of optional accessories

◆ Included in kit ■ Optional



ADVANCED BATTERY-BACKUP, WIND TURBINE & SOLAR CELL TECHNOLOGY FEATURES:



Battery-Backup:

Sophisticated battery backup system, banks surplus energy for 5 days of continuous use at 20W. Battery is encased in a rugged enclosure for protection against tampering and harsh weather conditions. Battery enclosure not shown above



Wind Turbine:

Moog Videolarm couples all EcoKit solutions with wind generated power, so you never have to worry about sun conditions in your application



Solar Cell Technology:

High efficiency multicrystal photovoltaic modules. The solar cell uses crystalline silicon produced in a large sheet, thus making one large single cell. The result is efficient technology with long panel life for improved ROI

Fully Customizable Features:

The EcoKit solar and wind powered system is designed for best-in-breed IP cameras. The following is a partial list of Moog Videolarm optional accessories that may be integrated with the EcoKit to enhance its functionality for your camera deployment:

- Edge Recording Devices – Network Attached Storage (NAS)
- Wide Variety of Domes & Housings: Pressurized, Vandal Resistant, Environmental
- IP Reset feature for auto resetting locked IP systems
- Moog Videolarm S-View™ PTZ camera system
- Wireless Communication: 2.4/5.8GHz and 900MHz

* Custom installation





DLW75CL12G
(12Vdc Version)



SM5
(Liberty)



SLMPM-2
(Universal pole mount)
(110 Mph wind load)



APC3
(Straps)



P1800TB
(Pole and base)



VLRM58 (Wireless 5.8GHz MIMO access point)

SPECIFICATIONS:

Wind Power Fan Generator	
Rated Wind Speed:	3.5 m/s
Rated Power:	400W
Wind Energy Utilization Rate:	0.41
Net Weight:	37.4 Lbs. (17 Kg.)
Solar Panel (Qty. 2)	
Cell:	Monocrystalline Silicon
Dimension (L*W*H):	44" x 32" x 1.4" (1110 x 808 x 35mm)
Weight:	26 Lbs. (11.8 Kg.) (each)
Power:	120W (each)
Battery (Qty. 2)	
Nominal Voltage:	12Vdc
Rated Capacity:	220Ah (110Ah/ Battery)
Dimensions (L*W*H):	9.0" x 9.5" x 6.8" (520 x 270 x 173mm)
Weight:	72.75 Lbs (33 Kg) (each)
Discharge Rate	
5-day battery backup (fully charged)	
Output to 12Vdc Device (Camera)	
Voltage:	12Vdc
Power:	20W

Solar Kit Check List:

We provide:

- 2-120 watt solar panels
- 2-panel pole mount kit <6" max radius>
- 1-400 watt wind turbine
- Turbine adapter plate
- Wind Turbine pole-top mount
- 2-110amp hour batteries
- NEMA battery enclosure
- NEMA charger enclosure
- 1-12Vdc charger
- 1-12Vdc voltage stabilizer
- Pre-configured wires
 - 1-12/3 cable for wind turbine
 - 2-12/2 cable for solar panels
 - 1-12/2 cable to power output <camera input>
 - 1-12/2 cable to voltage stabilizer loop
 - 2-battery jumper cables

* Custom installation



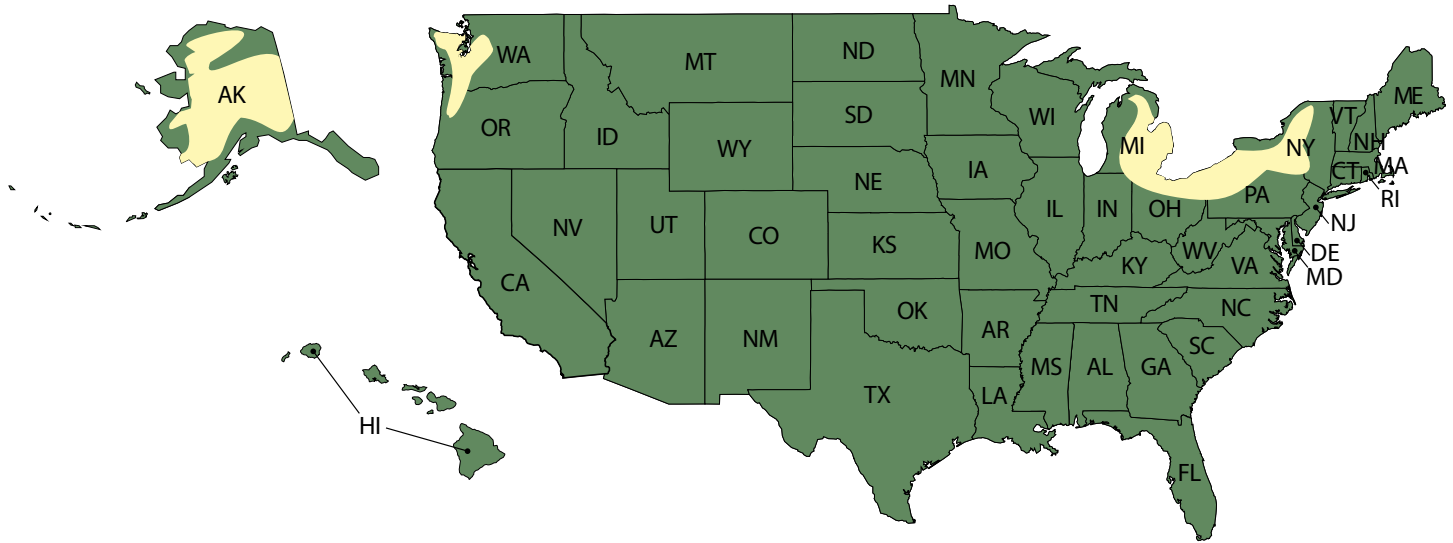
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SOLAR AND WIND POWER U.S. INSTALLATION LOCATIONS:



- Areas shaded in GREEN are recommended for installation

MOOG
Videolarm

2525 Park Central Boulevard, Decatur, GA 30035 USA
(800) 554.1124 Fax: 770.987.9705
www.videolarm.com