IP Digital Deterrent Solar Box with 24V Backup Battery and Solar Power Controller with 400W Solar Panel Array

DD5S4

white housing, solar panels



Enclosure Features

- Built-in AC & Solar Power Control Module Supports AC 110V-277V
- Built-in 24V/114Ah Ternary Lithium Battery
- 2x - Cooling Fans
- Pole and Wall Mount Brackets included
- PG16 Gasket Connectors
- IP65 weather resistance
- 1x - PoE Light Siren Included
- Universal Mounting Plates
- 400W Solar Array with Pole Mount

Solar Panel Features

- 9-Bussbar solar cell configuration
- Lightweight anodized aluminum frame
- High transmission, AR (anti-reflective) coated tempered glass
- 2 x 200W solar panels with mounting hardware

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Power Specifications

Power Options	Battery, Built-In Solar Control Module, AC
Battery Type	Ternary lithium battery
Battery Power	24V/114Ah, total 2530.8Wh
Battery Running Time	3.7 days for 25W (DOD 80%)
Solar Connections	Sockets for Battery Input, Solar Input, MPPT PV Input, MPPT Battery Input, Load Connection
AC Power Type	AC (110V-277V) With I/O AC fail alarm

Mount and Add-On Specifications

Air Ventilation	2x temperature-controlled fan (12V)
Mounting	For antenna and speaker
Mounting Plates	3x camera mounting plates
Audio Add-Ons	Horn Speaker Installation Ready (top)
Wireless Add-Ons	Antenna Installation Ready (top)
Mount Add-Ons	PTZ Mount Included (bottom)

Light-Siren Specifications

Siren Type	IP PoE Light Siren
Light Colors	Blue, Red and White lights
Light Alarm Settings	Strobe or Steady Lights
Light-Siren Triggers	Camera-based Intruder Detection

Enclosure Specifications

Dimension	18.90W × 21.26H × 13.39D inches (Including Mount)
Total Gross Weight	- 88.63 lbs. (with battery Included) - 46.30 lbs. (without battery)
Material	Aluminum and Stainless Steel combined
Mount	Pole Mount & Wall Mount included (3.5 - 10 in. Diameter Pole is ideal)

Solar Panel Specifications

Quantity	2x 200W Solar Panels
Dimensions	58.89 × 27.75 × 1.4 inches (1496 × 705 × 35 mm)
Weight	24.7lb (11.2 kg)
Frame	Anodized Aluminum Alloy
Backsheet	PET
Cables	35 inches (900 mm) Length
Connector	MC4
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Solar Cells	Monocrystalline 166 × 83 mm
Cell Orientation	68 cells (4 × 17)
Peak Power Watts-PMAX (Wp)	200W
Power Output Tolerance-PMAX (W)	0~+5 W
Maximum Power Voltage-VMPP (V)	38.6 V
Maximum Power Current-IMPP (A)	5.15 A
Open Circuit Voltage-VOC (V)	45.6 V
Short Circuit Current-ISC (A)	5.45 A
Cells Efficiency ηm (%)	23 %
NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of PMAX	-0.39%/°C
Temperature Coefficient of VOC	-0.29%/°C
Temperature Coefficient of ISC	0.05%/°C
Operational Temperature	-40~+90°C
Maximum System Voltage	600VDC

Audio and AI Specifications

AI Audio Analytics	Emergency Keyword & Critical Sound Detection
Keyword Detection	“Help Me,” “Help 911,” “Emergency”
Critical Sound Detection	Gunshot, Glass Breaking, Screaming
Microphone	Integrated SmartMic
Audio Output	Integrated Speaker
Audible Alerts	Customizable Audio Warnings

Deterrent Specifications

Visual Deterrent	High-Intensity LED Light Bar
LED Colors	Red, White and Blue
Audible Deterrent	Built-in Speaker
Trigger	AI Audio Detection
Response	Visual and Audible Alert
Custom Audio	Supported

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BLUE SERIES