

OS-110-360

Outdoor Surveillance System PoE Cabinet with Integrated Power and Battery Backup



OS-110-360 is an outdoor all-weather surveillance system, its uninterruptible power supply is designed to work in extreme weather conditions and ensure the operations of outdoor PoE devices such as PoE cameras, wireless AP. OS-110-360 cabinet is fabricated from stainless steel for strength, durability and corrosion resistance. It is finished with a durable white powder coat which gives an attractive appearance. With standard wall-mount and optional pole-mount kit, the installation for OS-110-360 is quick and easy.

The basic mechanical and electrical equipment includes wall-mount kit, a mounting plate with DIN rails for industrial PoE switch installation or PoE surge protector installation, a set of cable glands, and an uninterruptible power supply system.

OS-110-360 power system provides the stable voltage to loads from the mains power while charging the battery as backup power source. In case of power outage, the OS-110-360 power system maintains the output fed from the battery. It is protected against overloads, short-circuit and deep discharge of the batteries.

*Note: Accommodates up to 4 units of 12V/7-10Ah sealed lead-acid batteries (not included).

Features

Integrated Power and Battery Backup:

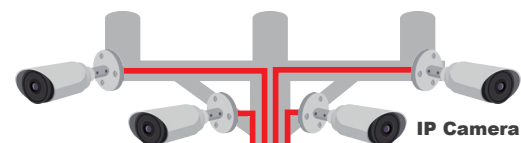
- Seamless battery backup ensures continuous power during AC power loss
- Output 55VDC voltage for PoE device use

Rugged and Secured Design:

- IP66-rated enclosure withstands harsh outdoor environments
- Padlockable swing handle enhances security of the cabinet

Applications

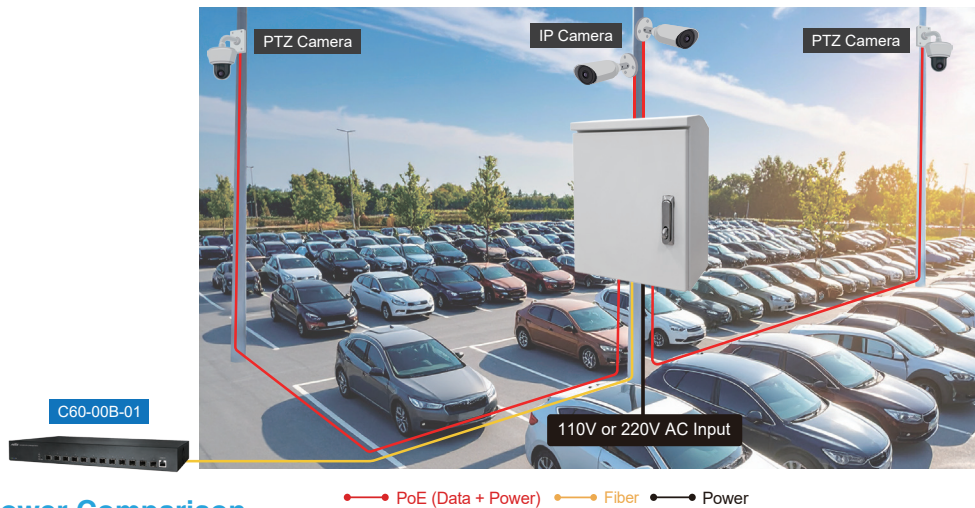
Built-in battery backup ensures continuous video recording during AC loss.



OS-110-360
Outdoor PoE Cabinet with
Integrated Power and Battery Backup

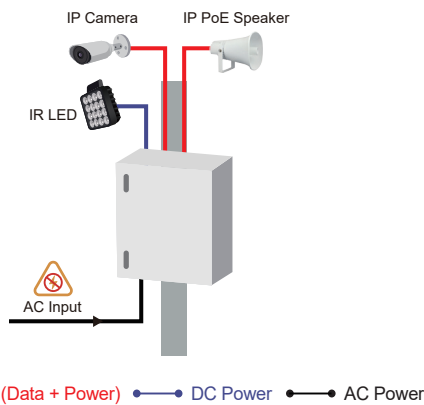
110V or 220V AC Input

— PoE (Data + Power) — Power — Fiber



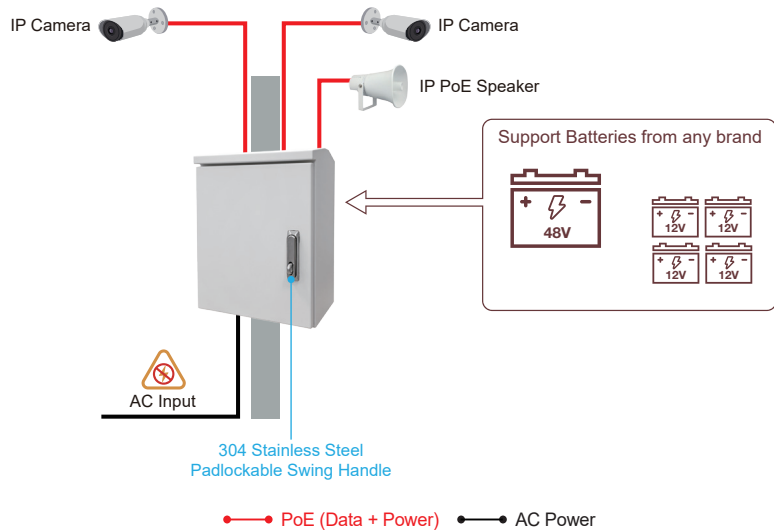
Backup Power Comparison

General Setup



- ✗ No backup power solution for outdoor installations
- ✗ Risk of network interruptions, video loss, and extended downtime during AC outages
- ✗ Requires frequent manual checks for system status and network health

All-in-One Outdoor IP PoE Cabinet with Battery Backup



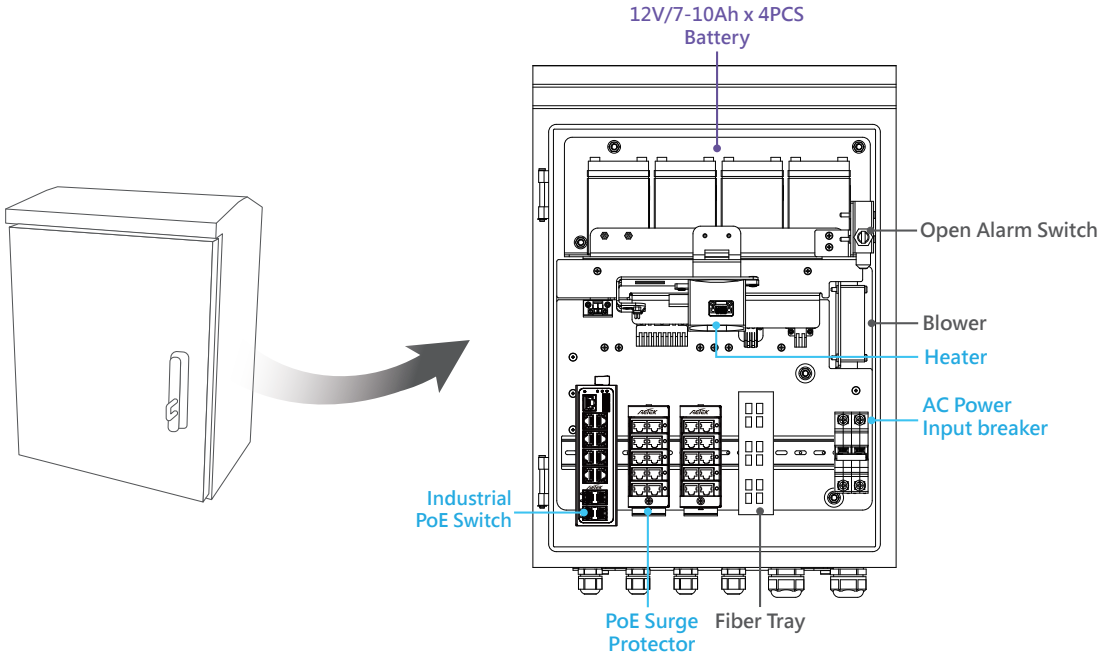
- ✓ All-in-One Outdoor PoE Solution with battery backup
- ✓ High uptime

Battery Backup Calculator – OS-110-360 with Battery Backup

AETEK Model	Charging Current	Battery	Power Consumption Full Charge Time	Approximate Backup Time at Full Load			
				60W	120W	180W	240W
OS-110-360	1.5A	48V/7Ah Sealed Lead Acid Battery	4 hr 56 mn	3 hr 7 mn	1 hr 24 mn	46 mn	27 mn
		48V/10Ah Sealed Lead Acid Battery	7 hr 4 mn	4 hr 20 mn	2 hr 8 mn	1 hr 18 mn	51 mn

*Calculation is based on Yuasa NP7-12 / NP18-12, 48V 4S1P @ 25 °C

Internal Structure

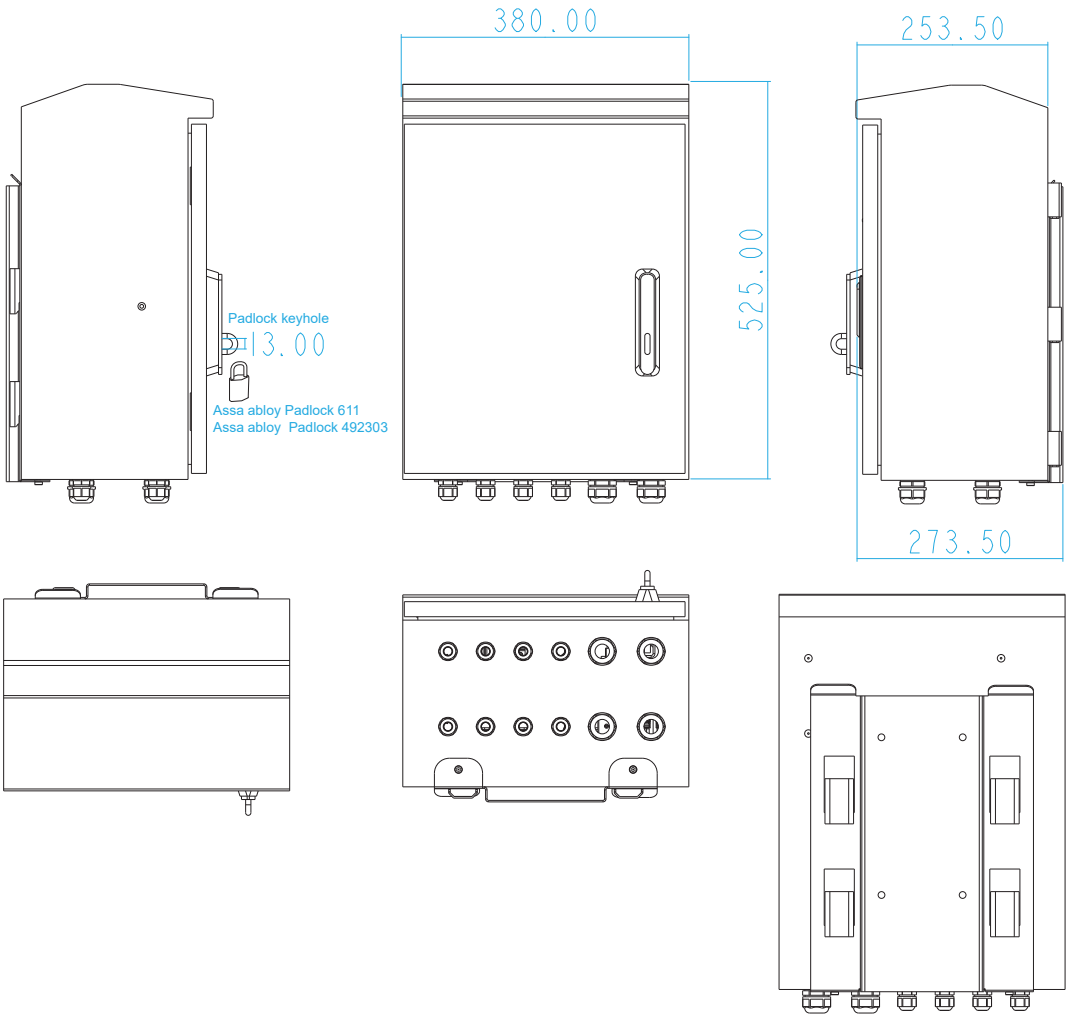


Included	Customer's Own	Optional
Open Alarm Switch	12V/7-10Ah Battery x4pcs	Pole Mount Adapter
Blower		ABB AC Switch
Fiber Tray		Heater Module
		Industrial PoE Switch
		PoE Surge Protector

Dimensions

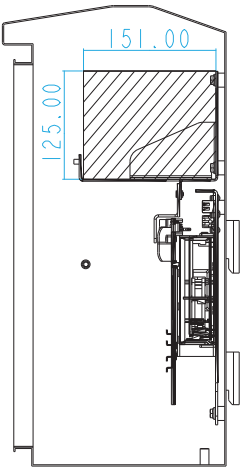
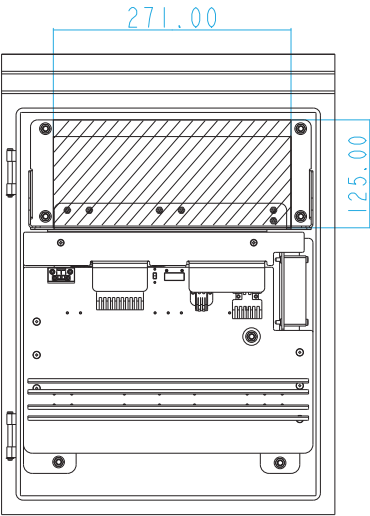
Outside Dimensions

Unit: mm



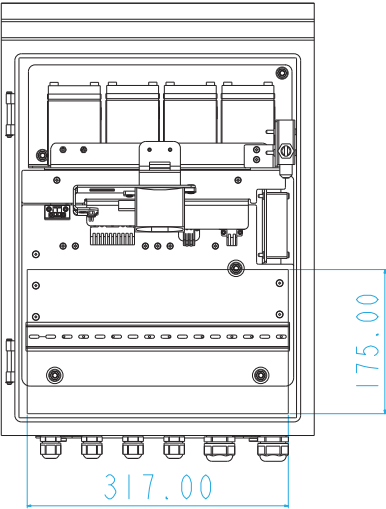
Dimensions

Battery Space



Device Space

Unit: mm



Specifications

	OS-110-360
Power	
Input Voltage	110VAC or 220VAC
Output Power per DC Port (from power module)	1 x 55V DC@5.03A
Output Power Budget	360W
Battery (not included)	
Battery Type	Lead Acid or Lithium (LiFePO4) batteries
Battery Capacity	4 x 12V / 7-10Ah
Max. Battery Size per Unit (W x D x H)	66 x 151 x 120 mm (2.6 x 5.94 x 4.72")
Total Battery Size (W x D x H)	280 x 151 x 140 mm (11.02 x 5.94 x 5.51")
Battery Charging Current	55V DC@1.5A
Battery Cutoff Voltage	43V±0.5V
Battery Reverse Polarity	Support
Mechanical	
Enclosure Material	304L Stainless Steel
Handle	304 Stainless Steel Padlockable Swing Handle
Padlock Seat	304 Stainless Steel; supports padlock shackle < Ø13 mm Recommended Padlocks: ASSA ABLOY Padlock 611 / Padlock 492303
Dimensions (W x D x H)	380 x 273.5 x 525 mm (14.96 x 10.77 x 20.67")
Weight	11.7kg (25.7 lb)
DI/DO	2/2
Connectors	4 x M25 8 x M16
Blower	Support
Open Alarm Switch	Support
Fiber Tray	Support (without LC adapter)
Mounting	Wall Mounting Optional Pole Mounting Kit: AT-100 or AT-101 Optional Corner Mounting Kit: AT-200

Specifications

	OS-110-360
Environmental	
IP Rating	IP66
Operating Temperature	-5°C ~ 50°C (32°F ~ 122°F) -40°C ~ 50°C (-40°F ~ 122°F) with heater / blower module
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Accessories	
Optional (order separately)	ABB AC switch (Circuit Breaker) Heater / Blower Module Industrial PoE Switch PoE Surge Protector Pole or Corner Mount Adapter

*Batteries and padlocks are not included

Optional Accessories

OS-110-360			
	ABB S202-C10 • Miniature Circuit Breaker		HM-400 Series • Heater Module • 30°C < off / 15°C > on • 110VAC or 220VAC

Pole Mount				Corner Mount	
	AT-100 • Pole Mount Adapter		AT-101 • Pole Mount Adapter		AT-200 • Corner Mount Adapter

DIN-Rail Industrial L2 PRO Gigabit PoE Switches			
	D60-044-30 / D60-044-30-V2 • Supports NTS • 4xGbE 30W at PoE + 2xGbE RJ45 + 2xGbE SFP • 48-56V DC Input		D60-084-30 / D60-084-30-V2 • Supports NTS • 8xGbE 30W at PoE + 4xGbE SFP • 48-56V DC Input
	D60-044-90 • Supports NTS • 4xGbE 90W bt/PoH PoE + 2xGbE RJ45 + 2xGbE SFP • 48-56V DC Input		D60-044-91 • Supports NTS • 4xGbE 90W bt PoE + 2xGbE RJ45 + 2xGbE SFP • 48-56V DC Input
	D60-084-90 • Supports NTS • 8xGbE 90W bt/PoH PoE + 4xGbE SFP • 48-56V DC Input		

DIN-Rail Industrial Gigabit PoE Switches			
	D40-044-30 • 4xGbE 30W at PoE + 2xGbE RJ45 + 2xGbE SFP • 48-56V DC Input		D40-082-30 • 8xGbE 30W at PoE + 2xGbE SFP • 48-56V DC Input
	D40-044-91 • 4xGbE 90W bt PoE + 2xGbE RJ45 + 2xGbE SFP • 48-56V DC Input		H32-042-30-V2 • 4xGbE 30W at PoE + 1xGbE Adjustable 24V or 56V DC Passive PoE + 1xGbE SFP • 48-56V DC Input
	D42-042-91 • 2xGbE 90W bt PoE + 2xGbE Adjustable 24V or 56V DC Passive PoE + 2xGbE SFP • 12V and 24V DC Output • 52-56V DC Input		

Optional Accessories

DIN-Rail Industrial Gigabit PoE Media Converters

	M30-011-30 • 1xGbE 30W at PoE • + 1xGbE SFP • 48-56V DC Input		M30-022-90 • 2xGbE 90W PoH PoE • + 2xGbE SFP • 48-56V DC Input		M30-022-91-V2 • 2xGbE 90W bt PoE • + 2xGbE SFP • 48-56V DC Input
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DIN-Rail Industrial Gigabit PoE Injectors

	I69-200 • 1xGbE 95W PoH PoE + 1xGbE RJ45 • 48-56V DC Input		I69-210-V2 • 1xGbE 90W bt PoE + 1xGbE RJ45 • 48-56V DC Input
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DIN-Rail Industrial Gigabit PoE Splitter

	S69-220 • Power Output: - 30W at, 60W/90W bt PoE Output - 5V/9V/12V/24V DC Output • 48-56V DC or 802.3af/at/bt PoE Input
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Modular IP PoE Surge Protector

	SD-504 • Supports Web UI & module lifetime detection • Alarm setup, logs and events • 4-CH hot-swappable PoE surge modules • Supports 10M/100M/1G/2.5Gbps Ethernet • Protects up to 20KV / 10KA surge
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Modular PoE Surge Protector

	SD-404-V2 • 4-CH hot-swappable PoE surge modules • Supports 10M/100M/1G/2.5Gbps Ethernet • Protects up to 20KV / 10KA surge
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