

b+w Outdoor Cabinet Product Portfolio



b+w OMS Outdoor Equipment Cabinets

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 - Half height single wall cabinet
 - Half height double wall cabinet
 - Full height double wall cabinet
 - Dual bay cabinet
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- Power and battery options



b+w OMS Outdoor Equipment Cabinets

Overview

- IP55 Outdoor equipment cabinets
- Corrosion free Aluminium construction
- Half height, full height and multi bay configurations
- Single wall and double wall construction options
- Air conditioning, heat exchanger and fan cooling options
- Space for power and BTS equipment collocation
- Configurable for site and environmental requirements
- DC & AC customised power solutions
- Battery connection, monitoring and protection
- Internal or external battery options
- Sophisticated IP capable system controller
- Front access for installation and maintenance
- Multipoint vandal proof locking mechanisms



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Half Height Single Wall Cabinet

Applications:

- Low to medium power site equipments
- BTS, MW, PMR, Solar charger
- Most suitable for temperate climates
- Wall and pole mounting options

Advantages

- Low cost
- Light weight

Construction	IP55 Aluminium single wall
Height	942mm
Width	612mm
Depth	612mm (dependant on cooling option)
Equipment space	19U maximum
Mounting options	Concrete plinth H frame wall fixings Pole mounting kit



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Half Height Double Wall Cabinet

Applications:

- BTS site support cabinet
- Self contained power and BTS solution
- Also suitable for PMR, MW, SDH, solar charger etc

Advantages

- Heat and solar radiation protection
- Noise insulation
- Suitable for all harsh environments

Construction	IP55 Aluminium double wall
Height	1295mm
Width	770mm
Depth	790mm (dependant on cooling option)
Equipment space	24U maximum



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Full Height Double Wall Cabinet

Applications:

- BTS site support cabinet
- Complete power and BTS solution
- Also suitable for PMR, MW, SDH, solar charger etc

Advantages

- Self contained site installation solution
- High cost savings compared with traditional shelter installation
- Heat and solar radiation protection
- Noise insulation
- Suitable for all harsh environments

Construction	IP55 Aluminium double wall
Height	1940mm
Width	770mm
Depth	790mm (dependant on cooling option)
Equipment space	40U maximum



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Dual Bay Cabinet

Applications:

- Complete power and BTS solution
- Multi operator collocation
- High autonomy sites

Advantages

- Self contained site installation solution
- High cost savings compared with traditional shelter installation
- Redundant cooling system options
- Separate access for multi operator options

Construction	IP55 Aluminium double wall
Height	2022mm
Width	1540mm
Depth	798mm (dependant on cooling option)
Equipment space	2 X 40U maximum



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Triple Bay Cabinet

Applications:

- Complete power and BTS solution
- Multi operator collocation
- High autonomy sites

Advantages

- Self contained site installation solution
- High cost savings compared with traditional shelter installation
- Redundant cooling system options
- Separate access for multi operator options

Construction	IP55 Aluminium double wall
Height	2022mm
Width	2310mm
Depth	798mm (dependant on cooling option)
Equipment space	3 X 40U maximum



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Custom Cabinet Solutions

The standard b+w OMS outdoor cabinet product range is highly flexible in configuration to meet the majority of customer, project, site and environmental requirements.

However b+w can also offer to provide design customised solutions for specific needs.

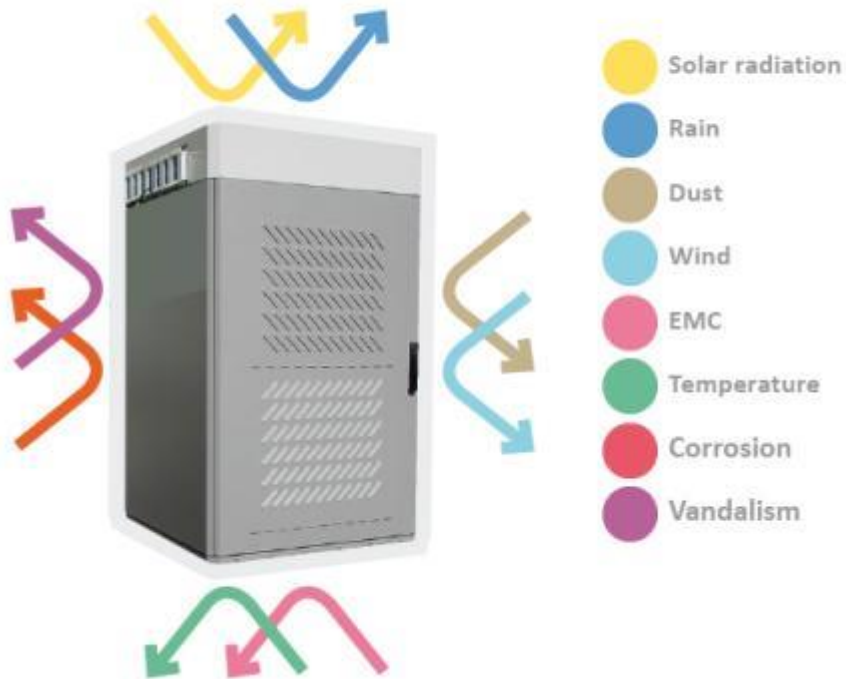
This example includes an IP55 lower cabinet with heat management for the batteries and any sensitive load equipments with an IP20 upper cabinet section to provide vandalism protection for the less environmentally sensitive BTS equipments.



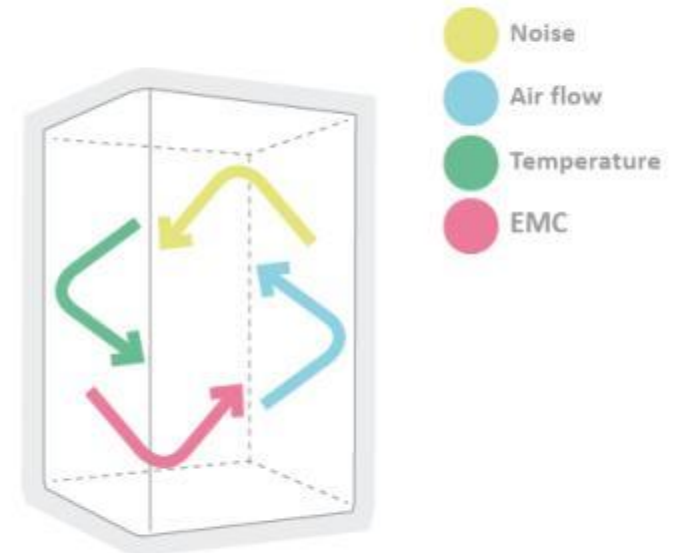
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Double Wall Cabinet Advantages:

External Influences



Internal Influences



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Heat Management Options

Air Conditioning Units:

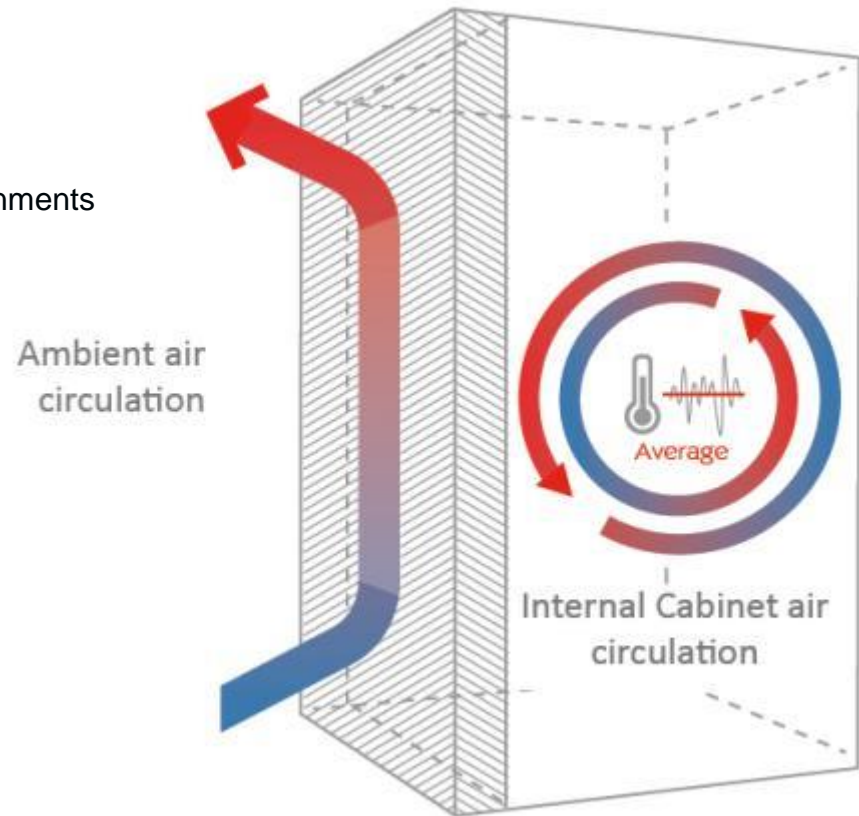
- AC or DC powered units available
- Up to 3000W L35/L35 cooling capacity
- Integral controller
- Suitable for sensitive equipments in harsh environments
- No periodical maintenance

Heat Exchanger Units:

- DC powered with optional AC heater
- Up to 130W/k cooling capacity
- Integral controller
- Economical operational costs
- No periodical maintenance

Fan Cooling:

- AC or DC fans
- Thermostatically controlled
- IP54 filter assemblies
- Cabinet exhaust filter assemblies
- No periodical maintenance



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Power System and battery options

- -48V DC power solutions configurable for site requirements
- Typical -48 Volt DC system capacities:
 - Small site: 600W to 4800W
 - Medium site: 2kW to 12kW
 - Large site: 3kW to 30kW
- 96% High efficiency -48V rectifiers
- Sophisticated IP capable system controller
- All DC system capacities utilise common components to minimise network spares holdings
- DC to AC inverter options for site AC loads
- Batteries capacities up to 1000Ah housed within cabinets



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