

VANGUARD

Cabinets for Outdoor Infrastructure

Designed and built with
availability and
reliability in mind

OUR EXPERTISE, YOUR ADVANTAGE

Rainford Solutions is a leading supplier to the telecommunications market, developing long-standing client relationships through design expertise in both active and passive cabinet solutions. Our designs contribute to high network availability and reduced total lifetime costs through superior reliability, security and quality.

Operating from a state-of-the-art UK manufacturing facility, Rainford provides an impressive one-stop-shop from initial concept to large scale manufacture. Extensive knowledge and experience developing network infrastructure supports the evolution of a digital Britain and smarter connected economy.

The Vanguard® outdoor cabinet portfolio provides ready to order solutions for a variety of applications and form factors including: FTTx, CCTV and mobile networks, as well as being a good starting point for customisations.



Outdoor Applications

- ✓ Passive and active optical networks
- ✓ Mobile & Radio, 3G 4G 5G, Tetra, Microwave
- ✓ Urban and rural fibre deployment
- ✓ Traffic signal controllers
- ✓ Internet service providers
- ✓ Edge computing & IoT hubs
- ✓ Environmental monitoring
- ✓ CCTV and security systems
- ✓ Energy and Renewables



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PRODUCT OVERVIEW – EXTERNAL CABINET DESIGN

Rainford Solutions' Vanguard® outdoor enclosure product range offers a modular multi bay, multi height, multi depth product with the flexibility to house a broad range of equipment in a variety of industry standard mounting formats.

With a robust construction, coupled with a variety of vandal resistant features, the Vanguard® outdoor enclosure product range provides a cost-effective solution for all your outdoor equipment protection needs.

The Vanguard® intelligent thermal management system minimises the maintenance frequency of the enclosure, prolongs the life of the air filter and thus reduces the whole life cost of the enclosure. There are three levels of heat management available, which can be interchanged providing an upgrade retrofit for enclosure future proofing.

Our enclosures are supplied fully assembled ready for immediate deployment.



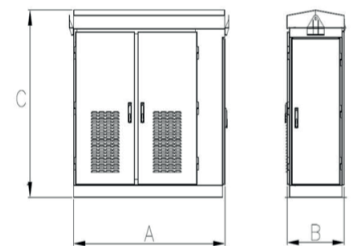
Single Bay + End Pod



FTTH Drop Cabinet

SIZE OPTIONS

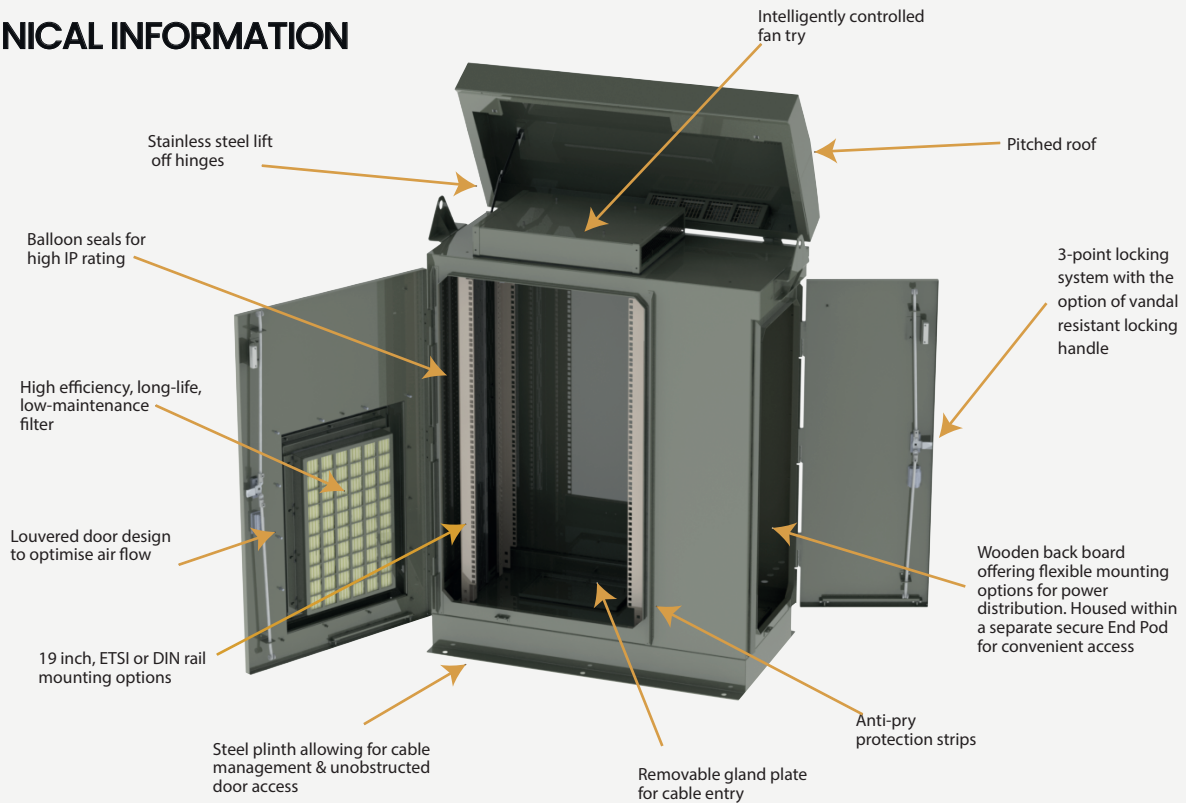
Enclosures	Width A (mm)	Depth B (mm)	Height C (mm)	Equipment Area (In U)
FTTH Drop Cabinet	535	330	980	15
Single Bay	675	450 / 600	1272 / 1494 / 1716	20 / 25 / 30
Single Bay + End Pod	950	450 / 600	1272 / 1494 / 1716	20 / 25 / 30
Double Bay	1335	450 / 600	1272 / 1494 / 1716	20 / 25 / 30
Double Bay + End Pod	1610	450 / 600	1272 / 1494 / 1716	20 / 25 / 30



All cabinets except the drop cabinet have the option to add heat management

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TECHNICAL INFORMATION



STANDARD FEATURES

- ✓ Material: 1.4003 grade stainless steel
- ✓ Finish: Polyester powder coated finish, available in 2 standard colours: Moss Green (RAL 6005) or Light Grey (RAL 7035)
- ✓ IP55 per EN 60529
- ✓ 19 inch or ETSI equipment mounting rails, depth adjustable
- ✓ Stainless steel hinged doors with die cast swing handle(s), 3-point locking systems
- ✓ Gland plate in each bay for cable entry with 2x PG29 and 4xPG21 blanks
- ✓ Lifting brackets (removable)
- ✓ Base mounted earth stud

THERMAL MANAGEMENT OPTIONS:

- ✓ Convection cooling: 100W per bay, $\Delta T 15^{\circ} C$
- ✓ Thermostatically controlled roof mounted fans
- ✓ Heavy Duty: 1.0KW per bay cooling, $\Delta T 10^{\circ} C$
- ✓ Light Duty: 1.0 KW per bay cooling, $\Delta T 20^{\circ} C$
- ✓ Anti-condensation heater
- ✓ Long life filters

OPTIONAL ACCESSORIES:

- ✓ Various lock and handle options
- ✓ AC/DC power distribution
- ✓ ETSI or DIN rail equipment mounting
- ✓ Equipment mounting backboard
- ✓ Sensors and alarms for door opening, over overheating and fan failure
- ✓ Battery shelves and cable trays
- ✓ In ground root

* Please see our representative for full technical information, this document is for guidance only.

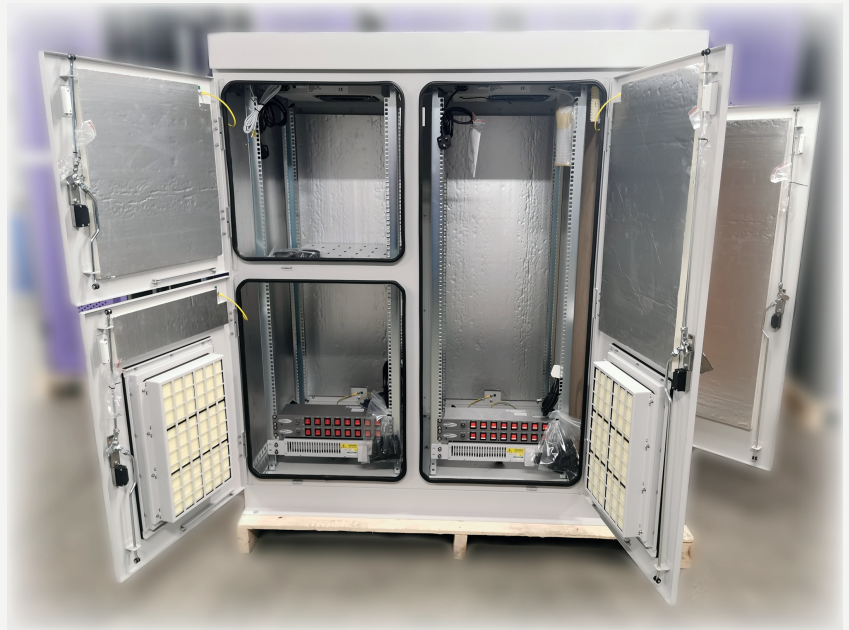


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Customised Solution for housing multiple operators

QUICK FACTS:

- **Established 1982**
- 114,000 sq. ft. UK manufacturing facility
- High volume capacity
- Standard range or bespoke customisations
- Value added design engineering service
- ISO 9001:2015 certified
- Continuous investment and development
- Agile design, lean manufacturing
- Equipment integration capabilities
- EU product distribution

BENEFITS TO YOU:

- + High quality = reliability = low total cost of ownership
- + Capacity for national scale projects
- + Security of working with a leading supplier
- + Flexible rapid design customisation
- + Complete end-to-end solutions
- + Deep industry experience and technical excellence

