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Deep Networks Group

DATA SHEET
DE-STD · SN-BG · Rev. 2026

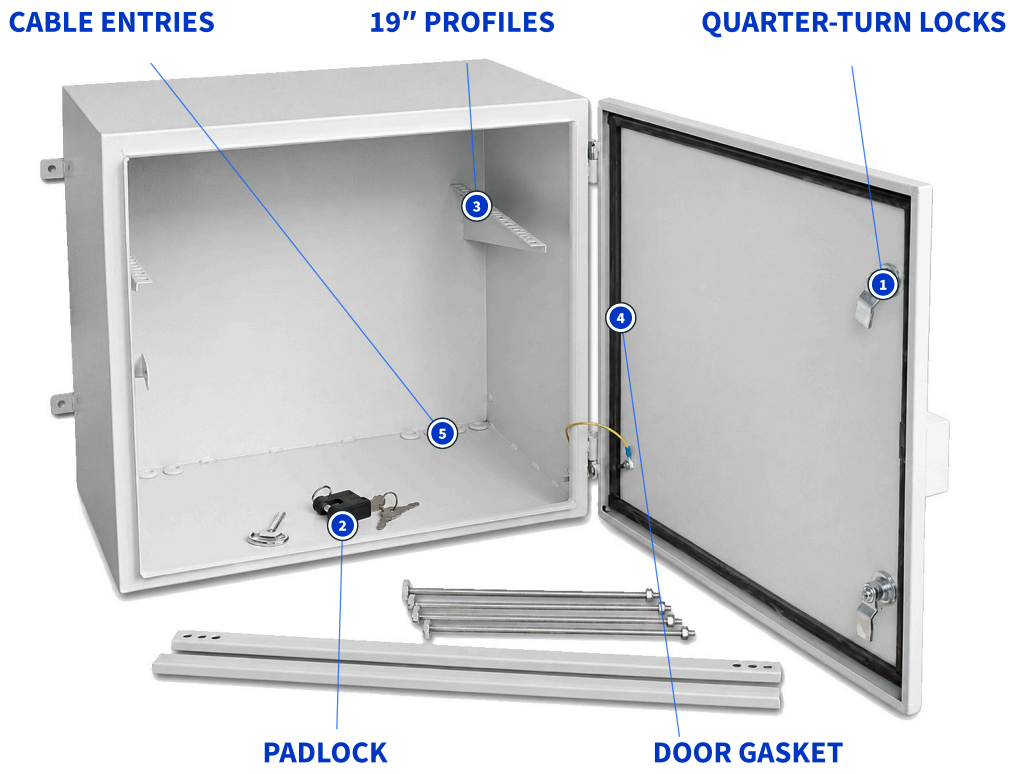
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OUTDOOR ENCLOSURES

SN-BG Rack Series

Outdoor 19″ Equipment Enclosure, IP54



Rack Series is a range of single-wall steel outdoor enclosures designed for the installation and protection of 19-inch telecommunications equipment. The equipment is installed vertically on two horizontally positioned 19-inch mounting profiles, providing a compact alternative to conventional horizontal rack mounting. The fully welded enclosure features two quarter-turn locks and a padlock for additional protection against unauthorised access. Suitable for wall or pole mounting. Protection rating: IP54. Finished with a durable outdoor-grade powder coating in RAL 7035.

AT A GLANCE

Series	**Rack Series**
Models	**SN-BG-WP-WD-19-2U-055-05-015 · SN-BG-WP-WD-19-4U-055-05-024 · SN-BG-WP-WD-19-7U-055-05-037**
External dimensions	**550 x 500 x 150 / 240 / 370 mm (W x H x D)**
Material	**Steel, fully welded**
Colour	**RAL 7035**
Mounting	**Wall or pole**

NUMBERED DETAILS IN THE PHOTO

1. **Quarter-Turn Locks**
   Two quarter-turn locks secure the door and provide quick access to the enclosure interior.
2. **Padlock**
   A keyed padlock provides an additional level of protection against unauthorised access.
3. **19″ Mounting Profiles**
   Two horizontal 19″ mounting profiles support standard 19″ equipment in a vertical orientation.
4. **Door Gasket**
   A continuous gasket around the door perimeter helps protect the enclosure interior against dust and water ingress.
5. **Cable Entries**
   Cable entries in the enclosure base are fitted with stepped rubber grommets to accommodate different cable diameters.

1 Key figures

Construction

Single-Wall Steel

Mounting

Wall / Pole

Protection

IP54

Rack Standard

Vertical 19″

2 Key features

IP54 Protection	Sealed against dust and splashing water
Single-Wall Steel Construction	Fully welded steel body, powder-polymer coated
19″ System Compatibility	Fits standard 19″ telecommunications equipment
Vertical Equipment Mounting	Equipment mounts vertically on two horizontal profiles
Padlock Included	A keyed padlock is supplied, in addition to the two quarter-turn locks
Fully Welded Construction	High structural rigidity with no assembly joints
Wall or Pole Mounting	Welded mounting ears for wall installation; two pole-mount brackets supplied
Grounding	Grounding wire between the door and the body

TYPICAL APPLICATIONS

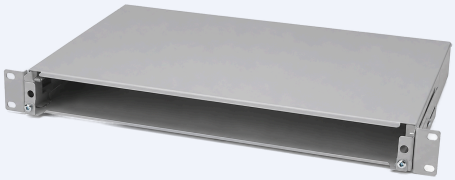
- FTTx and access-network cabinets
- Outdoor 19-inch equipment (media converters, switches, patch panels)

- Pole-mounted distribution
- CCTV and telemetry field cabinets

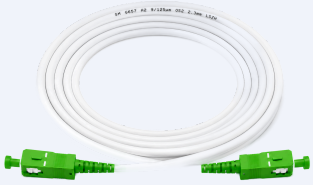
WHAT'S IN THE BOX

- Fully welded enclosure body
- Two 19-inch mounting profiles
- Stepped rubber cable grommets (6 for the 2U, 8 for the 4U and 7U)
- Pole-mount bracket x2
- Grounding wire
- Padlock with keys

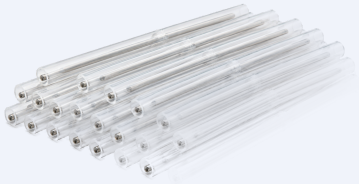
COMPATIBLE ACCESSORIES



Distribution frame



Patchcord



Splice sleeve

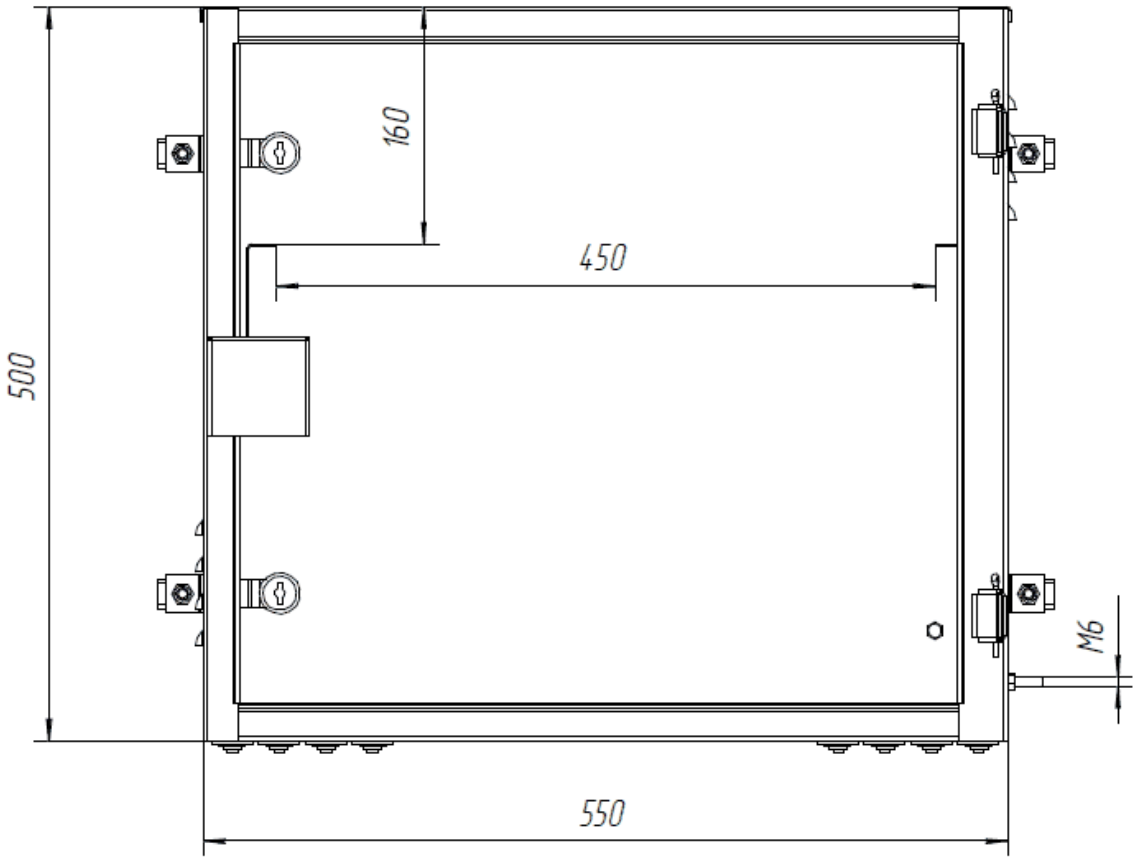
3 Size and configuration matrix

Rows list the three Rack Series models. Columns give external width, height and depth, the number of cable entries, and net weight.

Model	Width (mm)	Height (mm)	Depth (mm)	Rack units	Cable entries	Net weight (kg)
SN-BG-WP-WD-19-2U-055-05-015	**550** mm	**500** mm	**150** mm	**2U**	**6 x Ø22**	13.3 kg
SN-BG-WP-WD-19-4U-055-05-024	**550** mm	**500** mm	**240** mm	**4U**	**8 x Ø22**	15.9 kg
SN-BG-WP-WD-19-7U-055-05-037	**550** mm	**500** mm	**370** mm	**7U**	**8 x Ø22**	18.0 kg

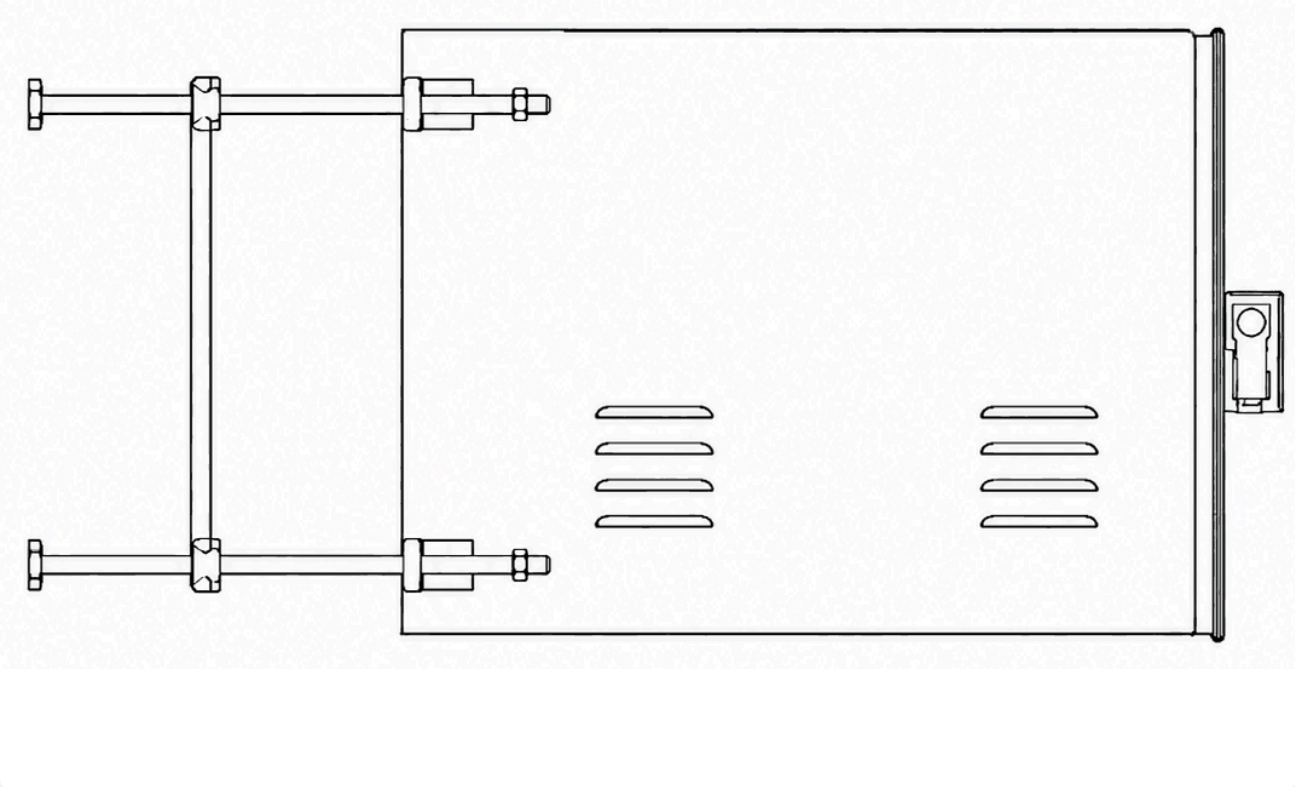
Each cable-entry hole is 22 mm in diameter, fitted with a stepped rubber grommet. The 2U has 6 entries in the base (3 + 3); the 4U and 7U have 8 (4 + 4). Weights are for the empty enclosure.

4 Technical drawings



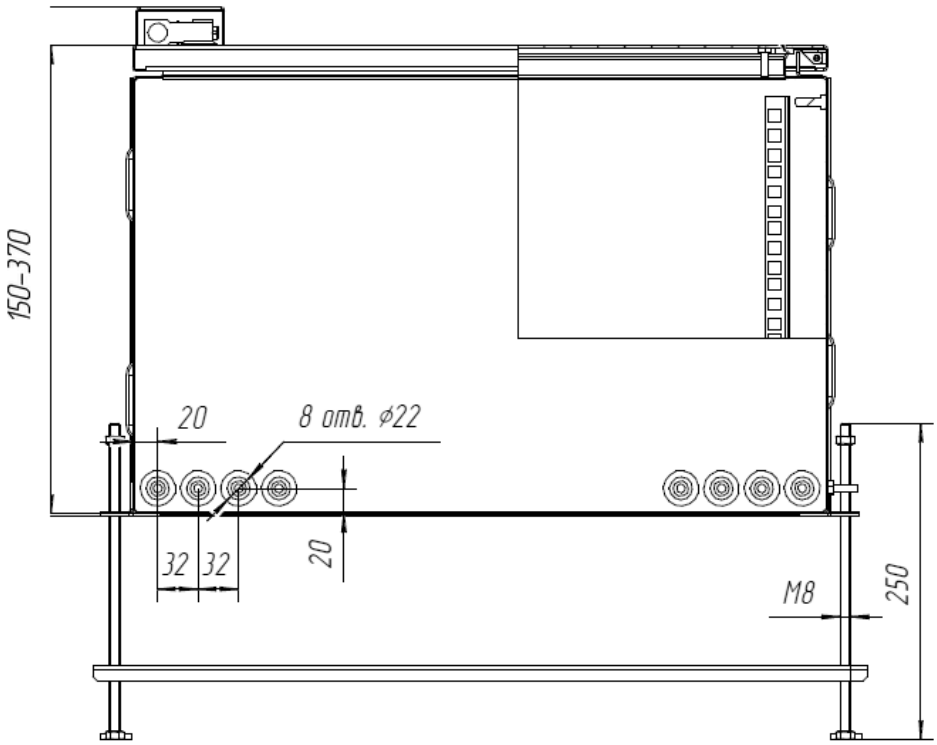
FRONT VIEW

Front elevation, generic for all three models. Overall width 550 mm, height 500 mm; the internal opening is 450 mm wide, offset 160 mm from the top. A welded mounting ear on each side takes an M6 wall-fixing screw. The door carries two quarter-turn cam locks.



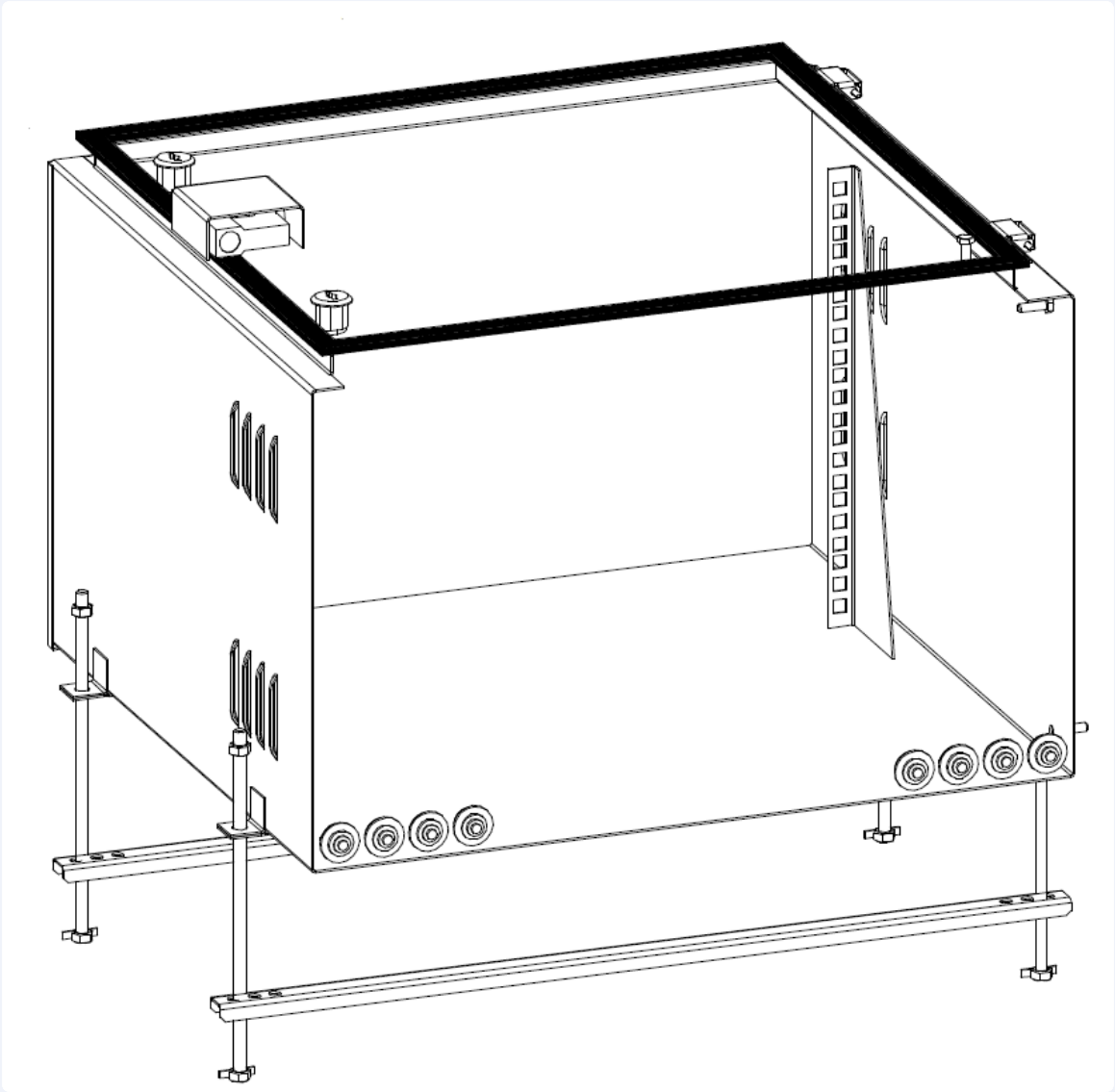
SIDE VIEW

Side elevation, generic for all three models; the drawing carries no dimensions. A gasket runs the full perimeter of the door opening. An M8 external grounding stud is on the side wall.



BOTTOM VIEW

Underside of the enclosure. The depth is marked as the range 150-370 mm: 150 mm for the 2U, 240 mm for the 4U, 370 mm for the 7U. Cable-entry holes 22 mm in diameter, each fitted with a stepped rubber grommet. The drawing shows 8 holes (4 + 4) for the 4U and 7U; the 2U has 6 (3 + 3). Centre spacing 32 mm, edge offset 20 mm as marked.



GENERAL VIEW

Isometric view with the door open. Two horizontal 19-inch mounting profiles span the interior; equipment is fixed to them vertically. The two pole-mount brackets and their tie rods are shown. The door frame carries the perimeter gasket.

5 Standards and certification

- ✓ **2014/35/EU** Low Voltage Directive
- ✓ **2014/30/EU** Electromagnetic Compatibility Directive
- ✓ **EN 60529:1991/A2:2013/AC:2019-02** Degrees of protection provided by enclosures (IP code)
- ✓ **EN 61439-1:2011** Low-voltage switchgear and controlgear assemblies — general rules
- ✓ **EN 61439-3:2012/AC:2019-04** Distribution boards intended to be operated by ordinary persons
- ✓ **EN 62368-1:2014/AC:2015** Audio/video, information and communication technology equipment — safety

6 Colour and ordering

Available finishes

RAL 7035
Light grey

Ordering code

`SN-BG-WP-WD-19-[U]U-055-05-[D]`

`SN-BG`

Series name

`WP`

Wall or pole mounting

`WD`

Welded construction

`19`

19-inch rack standard

`[U]`

Usable 19-inch equipment height — 2U with 150 mm depth, 4U with 240 mm, 7U with 370 mm — 2, 4, 7

`055`

Width code — 550 mm

`05`

Height code — 500 mm

`[D]`

Depth code — 015 = 150 mm, 024 = 240 mm, 037 = 370 mm

EXAMPLE `SN-BG-WP-WD-19-4U-055-05-024`

Rack Series outdoor enclosure, 550 mm wide, 500 mm high, 240 mm deep, 4U of vertical 19-inch mounting space, RAL 7035, IP54.

Depth and rack units are linked — one SKU per size. There are no door or colour options.

CE | IP54 | EN 60529 | 2014/35/EU | Made in Europe

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