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Deep Networks Group

DATA SHEET
DE-STD · SN-SZTK-FS · Rev. 2026

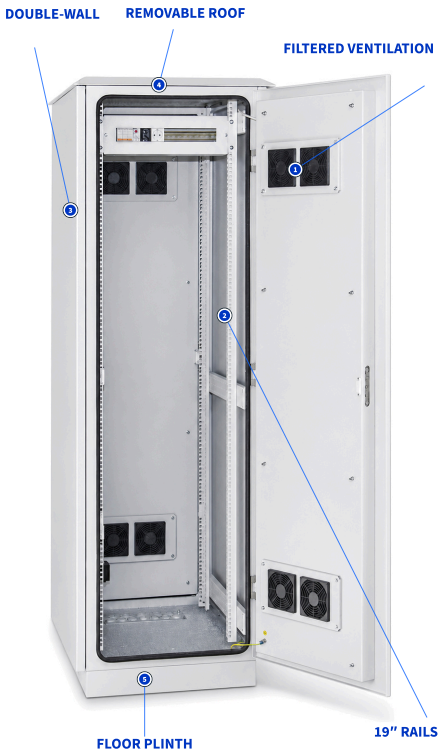
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OUTDOOR ENCLOSURES

SN-SZTK Fan-Cooled Series

Outdoor Floor-Standing Enclosure, IP54



Floor-Standing Fan-Cooled Series is a range of double-wall steel outdoor enclosures designed for the installation and protection of 19-inch telecommunications equipment. The double-wall construction with non-combustible A1-class mineral-wool insulation reduces heat loss in cold weather and protects the enclosure interior from excessive heating in summer. Front and rear doors provide convenient access to installed equipment. Filtered forced ventilation and an integrated heater provide temperature control inside the enclosure. Two pairs of adjustable 19-inch mounting rails allow the mounting depth to be adapted to the installed equipment. The enclosure is equipped with a removable roof and a floor plinth.

AT A GLANCE

Series	**Fan-Cooled Series**
Models	**SN-SZTK-FS-WD-19-24U-065-085 · SN-SZTK-FS-WD-19-33U-065-085 · SN-SZTK-FS-WD-19-42U-065-085**
Usable rack space	**21U / 30U / 39U**
Construction	**Double-wall steel, A1 mineral-wool insulation**
Access	**Front and rear doors**
Climate control	**Filtered forced ventilation + integrated heater**
Mounting	**Concrete foundation or support frame**

NUMBERED DETAILS IN THE PHOTO

1. **Filtered Ventilation**
   Upper fans extract warm air; lower filtered inlet supplies outside air.
2. **19″ Mounting Rails**
   Two pairs of adjustable rails allow the mounting depth to match the installed equipment.
3. **Double-Wall Body**
   Double-wall steel construction with A1-class mineral-wool insulation.
4. **Removable Roof**
   The roof projects beyond the cabinet body and is supplied separately to reduce transit damage.
5. **Floor Plinth**
   Fixing holes in the plinth allow the enclosure to be secured to a concrete foundation using suitable anchors.

1 Key figures

Height

24 / 33 / 42 U

Width

660 mm

Depth

850 mm

Static Load

800 kg

Protection

IP54

2 Key features

Double-Wall Steel Construction	Inner and outer steel shells provide a robust insulated enclosure structure.
Thermostatic Control	Separate thermostats provide automatic control of the fan and heater.
A1 Mineral-Wool Insulation	Non-combustible insulation reduces heat loss in cold weather and limits heating in summer.
Filtered Ventilation	Upper fans extract warm air; lower filtered inlet supplies outside air.
Integrated Heater	Integrated heater supports enclosure operation at low ambient temperatures.
19″ Mounting Rails	Two pairs of 19-inch mounting rails with adjustable depth in 25 mm increments.
Three-Point Locking System	Five-bolt lever lock with upper and lower locking rods secures the door at three points.
Floor Plinth with Fixing Holes	Fixing holes in the plinth allow the enclosure to be secured to a concrete foundation using suitable anchors.

TYPICAL APPLICATIONS

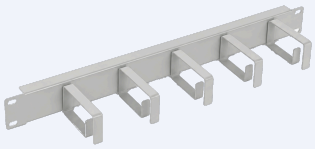
- Outdoor Telecommunications Networks
- Mobile Network Infrastructure
- Outdoor Network Distribution Points
- Remote Equipment Sites
- Industrial Communication Systems
- CCTV and Security Infrastructure

WHAT'S IN THE BOX

- 19″ Mounting Rails
- 3U Electrical Control Panel
- Cooling Fan Units
- Heater
- Cable Entry Panel
- Door Opening Sensor
- Removable Roof
- Floor Plinth
- Key Set

- Technical Documentation

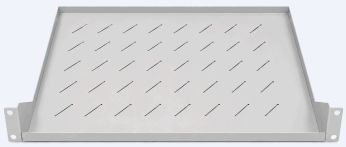
COMPATIBLE ACCESSORIES



Cable organizer



PDU



Shelf

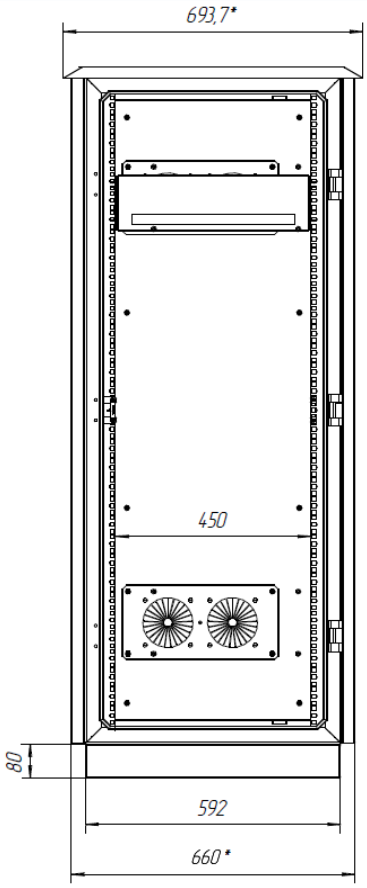
3 Size and configuration matrix

Rows list the three SN-SZTK floor-standing models. Columns give usable rack space, total rack capacity, external height, cabinet body width and depth, usable mounting depth, and net weight.

Model	Usable Rack Space (U)	Total Rack Capacity (U)	External Height (mm)	Cabinet Body Width (mm)	Cabinet Body Depth (mm)	Usable Mounting Depth (mm)	Net Weight (kg)
SN-SZTK-FS-WD-19-24U-065-085	**21** U	**24** U	**1255** mm	**660** mm	**850** mm	**600** mm	164.5 kg
SN-SZTK-FS-WD-19-33U-065-085	**30** U	**33** U	**1658** mm	**660** mm	**850** mm	**600** mm	199.5 kg
SN-SZTK-FS-WD-19-42U-065-085	**39** U	**42** U	**2058** mm	**660** mm	**850** mm	**600** mm	232.4 kg

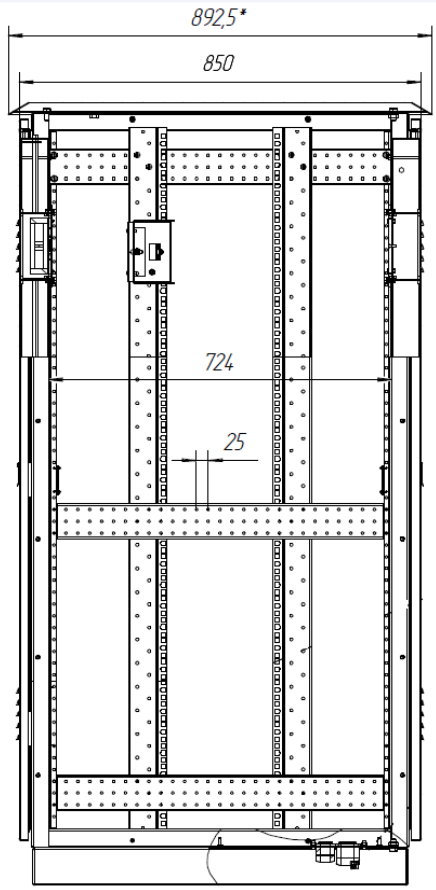
The removable roof projects beyond the cabinet body; overall dimensions including the roof are shown in the technical drawings. The top 3U of the frame are permanently occupied by the factory-installed 3U electrical control panel. Net weight includes the removable roof. The removable roof is supplied separately from the enclosure body to reduce the risk of damage during transportation.

4 Technical drawings



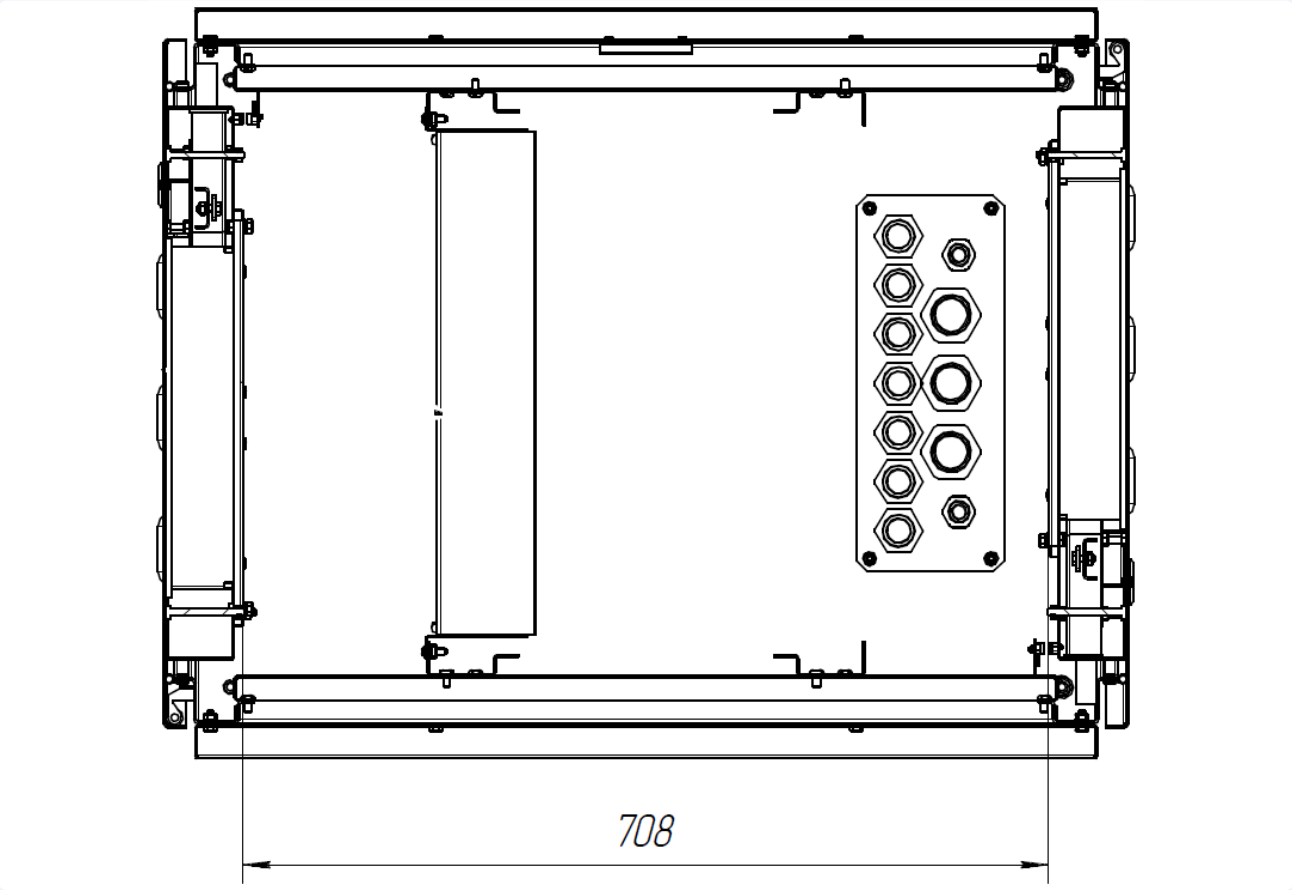
FRONT VIEW

Front elevation, generic for all three models. Cabinet body width 660 mm (footprint including the roof overhang 693.7 mm). Front and rear doors visible.



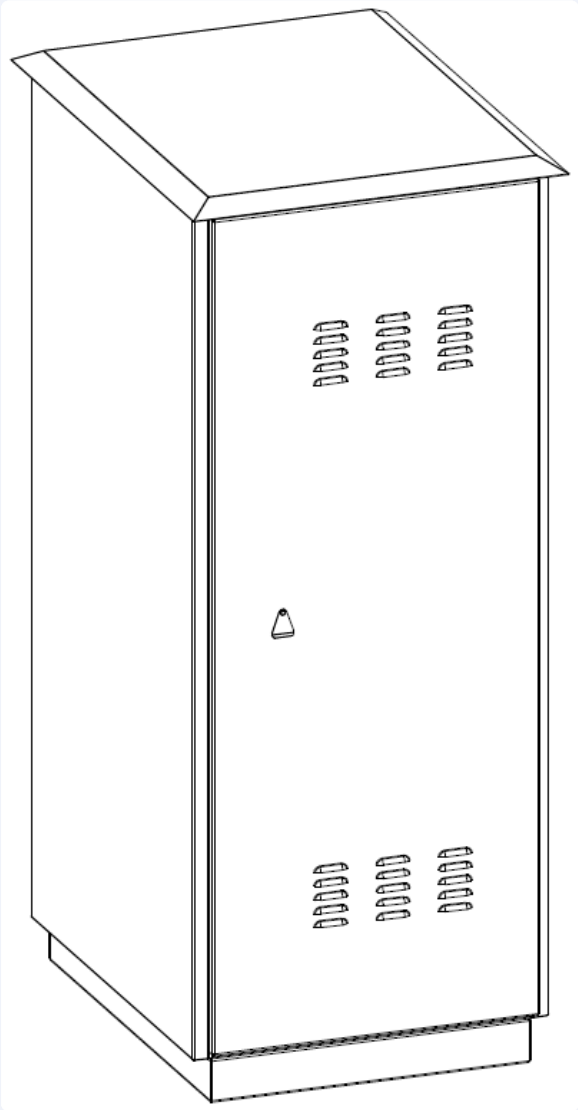
SIDE VIEW

Side elevation, generic for all three models. Cabinet body depth 850 mm (footprint including the roof overhang 892.5 mm). The 724 mm dimension is the internal clear depth from the front frame to the rear frame; the usable mounting depth between the adjustable 19-inch rail pairs is 600 mm, in 25 mm increments.



TOP VIEW — ROOF REMOVED

Top view with the removable roof removed, generic for all three sizes. The cable entry panel in the base is fitted with 12 cable glands (2 × PG13.5, 7 × PG21, 3 × PG29). Overall internal width 708 mm as marked.



GENERAL VIEW

Isometric general view. The sloped removable roof, ventilation louvres on the door, the lock, and the floor plinth are visible.

5 Equipment and control panel

Factory-installed equipment

Equipment fitted at the factory, with specification and quantity.

Item	Specification	Qty
Cooling Fan	160 m^3/h, 230 V AC	4 pcs
Dust Filters	Replaceable dust-filter insert, 2–3 mm	8 pcs

Item	Specification	Qty
Heater	400 W, 230 V AC	1 pc
Door Opening Sensor	Magnetic reed contact sensor	2 pcs
Cable Entry Panel	Fitted with 12 cable glands: 2 × PG13.5, 7 × PG21, 3 × PG29	1 pc
3U Electrical Control Panel	Occupies the top 3U of the frame	1 pc

3U electrical control panel — components

Components of the factory-fitted 3U electrical control panel, with specification and quantity.

Component	Specification	Qty
Circuit Breaker	1P, 16 A	2 pcs
Circuit Breaker	1P, 6 A	1 pc
Cooling Thermostat	Mechanical	1 pc
Heating Thermostat	Mechanical	1 pc
DIN-Rail Schuko Socket	16 A, 230 V AC	1 pc
DIN-Rail Neutral Busbar	Insulated, 6 × 9 mm, 10 terminals	1 pc

Optional equipment and systems

Optional equipment and systems available for this enclosure, grouped by function.

Group	Includes
Sensors & Monitoring	Flood sensors, smoke sensors, vibration sensors, monitoring systems
Safety Systems	Door status monitoring, alarm signalling devices
Power Distribution & Protection	Additional circuit breakers, surge protection modules, sockets, generator inlet connectors, PDUs
Backup Power	Power supply systems, batteries

6 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

7 Colour and ordering

Available finishes

RAL 7035
Light grey

Ordering code

`SN-SZTK-FS-WD-19-[U]U-065-085`

`SN-SZTK`

Series name

`FS`

Floor-standing

`WD`

Welded construction

`19`

19-inch rack standard

`[U]`

Total rack frame capacity in rack units (usable space is 3U less) — 24, 33, 42

`065`

Cabinet body width 660 mm (fixed, nominal)

`085`

Cabinet body depth 850 mm (fixed, nominal)

EXAMPLE `SN-SZTK-FS-WD-19-33U-065-085`

Fan-Cooled Series outdoor floor-standing enclosure, 33U total frame capacity (30U usable), 660 mm wide, 850 mm deep, RAL 7035, IP54.

Width and depth are fixed; only the total frame height varies. There are no door or colour options.

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

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