

## PanelSeT PHD - S3HD - SFN HD

## Introduction



PanelSeT PHD enclosures are suitable for outdoor public areas thanks to their multiple features:

- mechanical strength (IEC 61439-5:2023),
- anti-posting surface thanks to the special ribbed door surface,
- insulated (ready for Class II according to IEC 61439-1: 2011).

Our enclosures are reinforced and designed to withstand harsh outdoor conditions. PanelSeT SFN HD and S3HD made of coated steel are suited for installation in private areas due to their exceptional resistance to corrosion (up to C4H level according to ISO 12944:2018) and UV protection.

PanelSeT PHD, a Class II polyester cabinet, is designed for installation in public spaces, offering high resistance to pressure and impact, along with an anti-posting coating.

### **NOTICE**

#### **POSSIBLE AESTHETICS CHANGES OF ENCLOSURE SURFACE**

For long exposure applications, use painted enclosures available through the customized offer, to protect from UV radiation, wind and rain.

**Failure to follow these instructions can result in equipment damage.**

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# PanelSeT PHD - S3HD - SFN HD

## Introduction



### Fully Equipped

Standard, pre-installed equipment includes:

- A canopy to avoid water stagnation
- An aluminum cable gland plate to easily drill holes and avoid corrosion
- A document pocket to hold your documents in a practical place



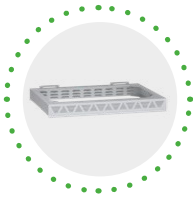
### Anti-Vandalism Feature

- PHD and SFN HD: handle with keylock and additional padlock hole (padlock not included) as a standard accessory to help protect the equipment



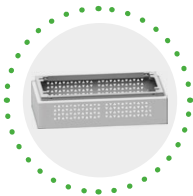
### High Resistance

- PHD: Heavy-duty polyester reinforced with a double layer of fiberglass



### Upper Airing

- The newly engineered roof airing accessory
- Prevents condensation (one of the causes of corrosion)



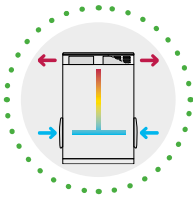
### Heavy-Duty Accessories

- Dedicated accessories to resist harsh outdoor environments



### Simplified Installation

- Easy lifting even when loaded with up to 1000 kg of equipment
- HD lifting accessories also available



### Thermal Management Solutions

- 3 airing architectures help protecting the equipment installed inside from overheating and humidity

# PanelSeT PHD - S3HD - SFN HD

## Characteristics



Characteristics	Wall-mounted enclosure	Floor-standing enclosure	Wall-mounted enclosure	Floor-standing enclosure
	Polyester outdoor Heavy-Duty enclosures		Steel outdoor Heavy-Duty enclosures	
	Outdoor Heavy-Duty (HD) enclosures made of polyester insulated material. Offer multiple features suitable for outdoor public spaces: <ul style="list-style-type: none"> <li>• High pressure and shock resistance</li> <li>• Posting-deterrent for floor standing</li> <li>• Enhanced insulation.</li> </ul>		Outdoor Heavy-Duty (HD) enclosures made of coated steel. Offer multiple features suitable for private areas with harsh environments: <ul style="list-style-type: none"> <li>• High resistance to corrosion (up to C4H level according ISO 12944:2018)</li> <li>• High resistance to UV.</li> </ul>	
<b>Material</b>	HD Polyester reinforced with fiberglass to meet standard EN 439-5		HD steel with anti-corrosive painting	
<b>Finish</b>	-		Structured finish, 100% polyester powder	
<b>Color</b>	RAL 7035 gray		RAL 7035 gray	
<b>Conditions of use</b>	Outdoor and/or harsh environments		Outdoor and/or harsh environments	
<b>Temperature range</b>	-40...80 °C		-40...80 °C	
<b>Ingress protection rating</b>	IP65 according to IEC 60529	IP55 according to IEC 60529	IP66 according to IEC 60529	IP55 according to IEC 60529
<b>Mechanical protection rating</b>	IK10 according to IEC 62262		IK10 according to IEC 62262	
<b>Standards</b>	IEC 61439-5, IEC 62208, IEC 61439-1 (Class II insulation), IEC 60297-3-100		IEC 61439-5, IEC 62208, IEC 60297-3-100, ISO 12944-6 (C4H)	
<b>Certifications</b>	See table <a href="#">page 342</a>		See table <a href="#">page 342</a>	
<b>Fixing</b>	On wall by means of optional wall fixing accessory	Option for installation on floor	<ul style="list-style-type: none"> <li>• On wall by means of optional stainless-steel wall fixing lugs</li> <li>• On post by means of optional HD post fixing device</li> </ul>	<ul style="list-style-type: none"> <li>• Directly on floor by means of plinth (see <a href="#">page 534</a>)</li> </ul>
<b>Maximum load according to IEC 62208</b>	500 kg (depends on the size of the enclosure)		200 kg (depends on the size of the enclosure)	1312 kg (1168 kg lifting) (depends on the size of the enclosure)
<b>Other characteristics</b>	<ul style="list-style-type: none"> <li>• Fire resistance according to EN 1794-2</li> <li>• Lifting possible from top with eyebolt accessory</li> <li>• New dedicated airing solutions to be integrated in roof, lateral or plinth. 3 airing architectures proposed (see <a href="#">page 424</a> and <a href="#">425</a>)</li> </ul>		New dedicated airing solutions to be integrated in roof, side or plinth	
<b>Options</b>	Plain door	Plain or ribbed door	-	
<b>Supply</b>	<ul style="list-style-type: none"> <li>• Curved canopy</li> <li>• Handle with keylock (1242E type) and padlock</li> <li>• Door retainer</li> <li>• Plastic document pocket (A4 size)</li> </ul>	<ul style="list-style-type: none"> <li>• Curved canopy</li> <li>• Integrated plinth</li> <li>• Handle with keylock (1242E type) and padlock</li> <li>• Aluminum cable gland plate</li> <li>• Door retainer</li> <li>• Plastic document pocket (A4 size)</li> </ul>	<ul style="list-style-type: none"> <li>• Curved canopy</li> <li>• 3-mm double-bar lock</li> <li>• Plastic document pocket (A4 size)</li> <li>• Door retainer</li> <li>• Aluminum cable gland plate</li> </ul>	<ul style="list-style-type: none"> <li>• Canopy</li> <li>• Rear panel</li> <li>• Handle with keylock (1242E type) and padlock</li> <li>• Aluminum cable gland plate</li> </ul>

# PanelSeT S3HD - SFN HD: Outdoor Coated Steel

## Characteristics

### Floor-Standing Enclosure

- Ingress protection rating: IP55 according to IEC 60529
- Fixing: Directly on floor by means of optional plinth
- Maximum load according to IEC 62208: 1312 kg (1168 kg lifting) (depends on the size of the enclosure)
- Coupling SFN HD is possible using standard coupling kit
- If ordered assembled from our service there are length limitations (consult us)
- cUL according to UL508a
- Environmental ratings according to UL50E,12 and 3R

**Supply:**  
Rear panel  
Handle with keylock (1242E type)



NSYSFNHD20860

Characteristics	Dimensions (H x W x D)	References
Floor-standing enclosure SFN	1800 x 600 x 400	<b>NSYSFNHD18640</b>
Floor-standing enclosure SFN	1800 x 800 x 400	<b>NSYSFNHD18840</b>
Floor-standing enclosure SFN	1800 x 800 x 600	<b>NSYSFNHD18860</b>
Floor-standing enclosure SFN	1800 x 800 x 800	<b>NSYSFNHD18880</b>
Floor-standing enclosure SFN	2000 x 600 x 600	<b>NSYSFNHD20660</b>
Floor-standing enclosure SFN	2000 x 800 x 400	<b>NSYSFNHD20840</b>
Floor-standing enclosure SFN	2000 x 800 x 600	<b>NSYSFNHD20860</b>

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### Side Panel Internal Fixing



NSY2SPINHD184

Characteristics	Dimensions (mm)	References
SFN HD 2 side panels int. fix.	1800 x 400	<b>NSY2SPINHD184</b>
SFN HD 2 side panels int. fix.	1800 x 600	<b>NSY2SPINHD186</b>
SFN HD 2 side panels int. fix.	1800 x 800	<b>NSY2SPINHD188</b>
SFN HD 2 side panels int. fix.	2000 x 400	<b>NSY2SPINHD204</b>
SFN HD 2 side panels int. fix.	2000 x 600	<b>NSY2SPINHD206</b>

### Upper Ventilated Module



NSYSFNCVR64HD

Characteristics	Dimensions (mm)	References
SFN HD upper ventilated module	600 x 400	<b>NSYSFNCVR64HD</b>
SFN HD upper ventilated module	600 x 600	<b>NSYSFNCVR66HD</b>
SFN HD upper ventilated module	800 x 400	<b>NSYSFNCVR84HD</b>
SFN HD upper ventilated module	800 x 600	<b>NSYSFNCVR86HD</b>
SFN HD upper ventilated module	800 x 800	<b>NSYSFNCVR88HD</b>

### Coupling



- Coupling SFN HD is possible using standard coupling kit. Each enclosure with its own canopy.
- If ordered assembled from our factory, there are length limitations due to transport (consult us).

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