

# SI Indoor Cabinets

## Power & Equipment indoor solution



### SI1500 – SI1800

#### Free-cooling indoor Cabinets

SD1000 series are a temperature-controlled cabinets designed for indoor use. The SD1000 cabinets are purposely designed for TLC equipments. The cabinets are equipped with cooling fans, an electronic control card, a power supply generating the - 48Vdc, sealed lead batteries for back-up, side doors for easy access to compartment for cable entry, harness and other accessories. The SD1000 is available in two heights:

- SD1001 with total height of 1500 mm
- SD1002 with total height of 1800 mm

#### Applications

SI1000 offer a thermally-controlled environment for TLC apparatus, as radio-links and wireless equipments.

#### Performances

- Energy efficient AC and DC power with battery backup
- Up to 2 strings of 60Ah batteries
- Quick and easy installation
- Auxiliary space for TLC harness
- Alarmed fans with variable speed
- Pre-engineered solutions for easy and quick customization.

#### Product Features

Sidial design and manufactures all its indoor cabinets with the following features:

- Steel made with RAL 7035 epoxy-powder painting. Other colours available on request.
- Accurate and reliable thermal management. All components are connectorized for easy maintenance.
- Front door with smoked polycarbonate
- Lateral doors with security locks as the front door

## SI1000 indoor Cabinets

### Specifications

<b>Physicals:</b>	<b>SI1500</b>	<b>SI1800</b>
<b>Overall dimensions</b>	height 1500mm; width 750mm; depth 400mm – 80mm plinth	height 1800mm; width 750mm; depth 400mm – 80mm plinth
<b>Inner dimensions</b>	height 1300mm; width 700mm; depth 370mm	height 1700mm; width 700mm; depth 370mm
<b>Apparatus space</b>	useful height 500mm (11U) on ETSI N3 (21") rails	useful height 800mm (18U) on ETSI N3 (21") rails
<b>Power system space</b>	max 200mm on ETSI N3 rails	
<b>Battery space</b>	height 600mm; width 500mm; depth 350mm	
<b>Doors</b>	1 front door + 2 side doors	
<b>Locks</b>	Unified cylinder lock	
<b>Cables entry</b>	Bottom	
<b>Weight</b>	80 kg (excluded power system and distribution)	90 kg (excluded power system and distribution)
<b>Thermal Management:</b>		
<b>Cooling tipology</b>	Free-cooling fans	
<b>Thermal management</b>	Electronic control card	
<b>No. and type of fans</b>	3 – 48VDC fans, alarmed	
<b>Dissipation capacity</b>	100W / °C	
<b>Air input filter</b>	Optional, grade G2 to G4 as request	
<b>Power required</b>	40W @ 48VDC (40 ÷ 58V)	
<b>Heating</b>	No heating provided	
<b>Environmental :</b>		
<b>Operating temperature</b>	0 ÷ 50 °C (upper value may be limited by apparatus)	
<b>IP protection grade</b>	IP31 (EN60529-4)	
<b>IK protection grade</b>	IK06 (EN60068)	
<b>DC power system</b>		
Multiple AC and DC distribution configurations and power supplies available on request		

### Reference standards

<b>EN 60950</b> "Safety of information technology equipments", (2007-02).
<b>EN61439-1</b> "Low-voltage switchgear and controlgear assemblies. Part 1: General rules", (2010-01).
<b>ETS 300 019-1-3</b> "Environmental conditions and environmental tests for telecommunications equipment. Classification of environmental conditions. Stationary use at weather protected locations.", V2.2.2 (2004-07)
<b>ETS 300 019-1-2</b> "Environmental conditions and environmental tests for telecommunications equipment. Classification of environmental conditions. Transportation.", V2.1.4 (2003-04)
<b>ETS 300 019-1-1</b> "Environmental conditions and environmental tests for telecommunications equipment.: Classification of environmental conditions. Storage.", V2.1.4 (2003-04).
<b>RoHS 2</b> compliant

**NOTE:** for continual product enhancement the specifications may change without notice.