SW Outdoor Cabinets

Power & Equipment outdoor solution

SW3800

Air Conditioned Outdoor Cabinet

SW3800 is a temperature-controlled cabinet designed for outdoor use. Its equipment includes: cooling system and heaters, an electronic management section, an energy station generating the - 48Vdc with a back-up provided by sealed lead batteries, lodged into a dedicated compartment of the cabinet, isolated from the temperature-controlled compartment.

The SW3800 cabinet is purposely designed for TLC equipments. It offers at the user 950mm/21U of useful space on ETSI N3/19" rails and a compartment for cables entry, harness and other accessories. Cooling is obtained by an air conditioner, lodged into a dedicated compartment; this allow to obtain total isolation of the equipments from external harsh environments. Its doors are gasketed with rubber strips, protecting the cabinet from external agents (only for equipment compartment : IP54).

Applications

SW3800 offer a thermally-controlled environment for TLC apparatus, as radio-links and wireless equipments.

Performances

- Energy efficient AC and DC power with battery backup
- 2 batteries strings up to 60Ah or 1 string up to 170 Ah
- 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 outdoor cabinets with the following features:

- All made in stainless steel with RAL 7035 epoxy-powder coat. Other colours available on request.
- Accurate and reliable thermal management. All components are connectorized for easy maintenance.
- Vandal-proof, with security locks and no external hardware. Antigraffiti painting available on request.
- Double walls with ventilated air gaps

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SW3800 Outdoor Cabinet

Specifications

Phisicals:	
Overall dimensions	height 1400mm; width 1400mm; depth 725mm – 100mm plinth
Apparatus room	height 1200mm; width 800mm; depth 650mm
Apparatus space	useful height 950mm (21U) on ETSI N3 (21") rails
Power system space	250mm on ETSI N3 rails
Battery compartment	height 730mm; width 260mm; depth 650mm
Doors	Only front doors 1 for apparatus and 1 for conditioner/batteries
Locks	Unified cylinder lock
Cables entry	Bottom with predrilled glands plates
Weight	230 kg (excluded power system and distribution)
Thermal Management:	
Cooling tipology	Air conditioner
Thermal management	Electronic control card
No. and type of fans	3 – 48VDC fans, alarmed, for aux and emergency cooling
Cooling capacity	1750W (L35L50 – DIN 3168)
Power required	1120W @ 230VAC, 50/60Hz
Heating	Fan cooled resistors, alarmed
Power required	350W @ 230V, 50/60Hz
Environmental :	
Operating temperature	- 20 ÷ 50 °C
Equipments room temperature:	5 ÷ 37 °C
IP protection grade	Apparatus room : IP54 – Battery room : IP34
IK protection grade	IK09
DC power system	
Multiple AC and DC distribution configurations and power supplies available on request; total internal dissipation limited up to 1750W	

Reference standards

EN 60950 "Safety of information technology equipments", (2007-02).
EN61439-1"Low-voltage switchgear and controlgear assemblies. Part 1: General rules", (2010-01).
ETS 300 019-1-4 "Environmental conditions and environmental tests for telecommunications equipment. Classification of environmental conditions. Stationary use at non-weather protected locations.", V2.1.2 (2003-04)
ETS 300 019-1-2 "Environmental conditions and environmental tests for telecommunications equipment. Classification of environmental conditions. Transportation.", V2.1.4 (2003-04)
ETS 300 019-1-1 "Environmental conditions and environmental tests for telecommunications equipment.: Classification of environmental conditions. Storage.", V2.1.4 (2003-04).
RoHS 2 compliant

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

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