

FPC Cabinets

Frame-based Power Cabinets and Optional Kits

FPC is a family of high-end indoor cabinets, designed for flexibility and multi-cabinet installations. With their rigid design, removable side panels and multiple choices of options, the cabinets can be used for a wide range of applications.



FPC CABINETS

Doc 2nnnnn.DS3 – rev5

APPLICATIONS

The cabinets are designed to meet challenging requirements for indoor Telecom and Industrial applications, with special focus on cable management and multi-cabinet installations, with or without back-up batteries.

PRODUCT DESCRIPTION

The indoor FPC cabinet generation offers flexible, modular assembly, using a selection of various kits. The range consists of four cabinet variants, enabling multifunctional use.

AVAILABLE MODELS:

- 1,8m Cabinet, W600 x D400 / D600
- 2,0m Cabinet, W600 x D600 / D800
- 2,0m Cabinet, W900 x D600
 - Can be used as a full width distribution cabinet or as a 600 mm wide cabinet, with additional 300 mm cable duct for simple cable entry.
- 2,2m Cabinet, W600 x D600 / D800

KEY FEATURES

- **FRAME-BASED DESIGN**

The frame is load bearing in the cabinet. All parts are designed in powder coated 2mm pre-galvanized steel. The frame can easily be assembled within minutes, using only standard tools.
- **REMOVABLE SIDE AND REAR PANELS**

The side and rear panels are the same parts for both sides and rear of the W600 x D600mm cabinets, and can easily be removed for improved access during installation, or for feeding cables and copper bars into adjacent cabinet.
- **CABLE MANAGEMENT**

The cables can enter the cabinet through the top, bottom or both. There are several options for cable glands and cable anchoring.
- **FLEXIBILITY**

The cabinets can be used as stand-alone, or several cabinets can be fitted together side by side with special brackets. They can be used as an “open rack” — without side and rear walls — just with 6U stabilizing panels. They can be used as power cabinets, battery cabinets or combined power and battery cabinets.
- **RIGIDITY**

The cabinet is designed to meet Zone 4 seismic requirements, with simple optional add-on kits.

MODEL	1,8m W600xD400	1,8m W600xD600	2m W600xD600	2m W900xD600	2m W600xD800	2,2m W600xD600	2,2m W600xD800
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PHYSICAL SPECIFICATION

Height ¹⁾	1802mm	1802mm	1982mm	1982mm	1982mm	2182mm	2182mm
Width	598mm	598mm	598mm	898mm	598mm	598mm	598mm
Depth without the door ²⁾	400mm	600mm	600mm	600mm	800mm	600mm	800mm
Weight ³⁾	56kg	64kg	68kg	87kg	79kg	77kg	88kg
Rack space	38U	38U	42U	42U	42U	46U	46U

FRAME CONSTRUCTION

Material	Galvanized 2,0mm steel frame						
Finish	Black colour powder coated, RAL 9005 Grey colour powder coated, RAL 7035						
Frame knock-outs	14x PG21	24x PG21	24x PG21	28x PG21	8x PG21	24x PG21	8x PG21
Frame installation width	23inch	23inch	23inch	19 or 23inch (Partition required)	23inch	23inch	23inch
Maximum load per battery shelf	150kg	270kg	270kg	270kg	250kg	270kg	250kg

ALL MODELS

SIDE AND FRONT OPTIONS

Panels	Partially vented, easily removable side and rear panels.
Door	Fully vented door, hinged on left or right side of the cabinet, secured with two locks allowing 150 degree opening for good access during installation and provision for mounting Smartpack2 Touch into door. For 900mm wide cabinet, the door is configured as dual door 600mm + 300mm.
Front panels	Various vented and blind front section panels.

TOP OPTIONS

Top adjustable cover ⁴⁾	Adjustable vented top cover with neoprene cable entry.
Top knock-outs cover ⁴⁾	Top cover with various knock-out configurations and with neoprene cable entry.
Top blank cover ⁴⁾	Top blank cover with neoprene cable entry, available for 600mm deep cabinets.
Rail cable support	Horizontal support rail for cable management via cable ties.

MISCELLANEOUS OPTIONS

Plinth	Black colour powder coated galvanized 3,0mm steel plinth with height of 100mm. 63mm cable access holes at both sides of plinth
Bottom cover	Can be used in bottom of cabinet when bottom battery shelf is not mounted.
Cabinet grounding	Cabinet grounding is provided via two M8 grounding points to frame construction.
Front partition	Provide 19inch installation width mountings The 900mm wide cabinet can be configured as 19inch or 23inch installation width.
Side partition	Provide adjustable depth mounting options.
Adjustable feet	Kit of four adjustable feet. Minimum height is 25,5mm, adjustable height is from 25,5mm to 40mm.
Shims	Kit of five shims used for levelling the cabinet when feet or plinth are not required and cabinet is mounted directly on the floor.
Lifting lugs	Kit of four lifting lugs used to lift the cabinet.
Cabinet connection	Kit of two brackets used for fixing adjacent cabinets together.

DESIGN STANDARDS

Safety	IEC 60950-1:2005 , EN 60950-1:2006+A11:2009
Transportation	ETSI EN 300-019-2
Ingress Protection	IP20 (when proper panels are installed)

ORDERING INFORMATION

Part No.	Description	MOQ
Cxxxxxx.nnnn	Cabinet with power core (to be ordered through Creator or Custom project)	1

- ¹⁾ Including Top adjustable cover; excluding feet and plinth.
- ²⁾ Door adds additional 55mm to cabinet depth.
- ³⁾ Including side and rear panels, door, top and bottom cover.
- ⁴⁾ For 900mm wide cabinet, it requires Top partition to split cabinet top to 600mm and 300mm section.