

Flatpack2 | Cabinetized

System Range 1.8 kW – 72 kW

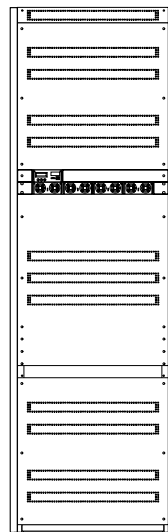
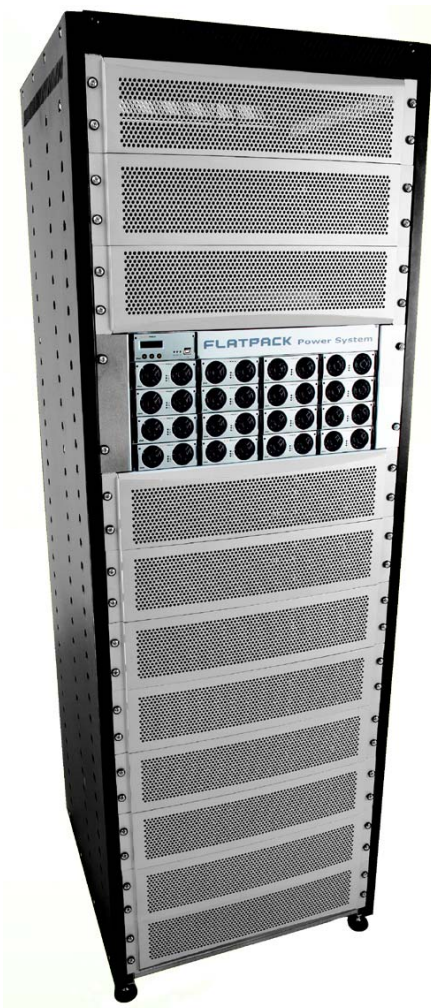


POWERFUL TECHNOLOGY

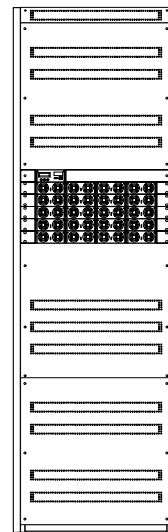


One size fits all

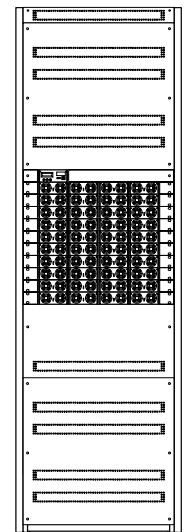
The Flatpack 2 is the ultimate building block in any telecom application. Its power density and cost efficiency makes it ideal for loads from 1 kilowatt to several 10's of kilowatts. With horizontal airflow, there is no limit to how many shelves of rectifiers can be stacked on top of each other, and other equipment can be mounted directly on top. Fully flexible, extremely compact: a single rectifier module that covers all your DC power requirements.



Flatpack2
Power System
7.2 kW 150A



Flatpack2
Power System
35 kW, 750A



Flatpack2
Power System
72 kW, 1500A

Flatpack2 | Cabinetized Range 1.8 – 72 kW

Technical Specifications

AC Input	
Voltage	1 phase 230 VAC 3 phase 230 VAC (Δ) 3 phase 400 VAC+N (Y)
Frequency	45 to 66Hz
Maximum Current	See Flatpack2 48VDC datasheet (241115.001.DS3)
Protection	Soft start Surge protection (varistors) Internal fuses (L & N) Disconnect above 290 VAC

Monitoring	
Monitoring unit	See Smartpack (242100.100.DS3) datasheet
Local operation	Menu driven software via keypads and LCD or PC (PowerSuite)
Remote operation	PowerSuite via modem or Web NMS via SNMP-agent
Alarm relays	6 relays are standard
Visual indications	Green LED – System ON Yellow LED – Minor alarm(s) Red LED – Major alarm(s) LCD – system status
Digital inputs	6 (for monitoring of external equipment)
Current measurements	Battery current Rectifier current
Alarms	Load fuse alarm Battery fuse alarm LVD operated Low output voltage alarms (2 individual alarm levels) High output voltage alarms (2 individual alarm levels) Battery capacity Temperature alarm Symmetry alarm

DC Output	
Voltage	48 VDC
Current	From 1U PR (150A) up to 10U PR (1500A)

Specifications are subject to change without notice.

DC Distribution Options	
Load breakers	32 x Breakers (2-63A)
No. of Battery fuses	6 (max. 100A each) 3 (max. 200A each) 2 (max. 250A each)
Programmable LVD	1 LVBD (150, 300, 500 or 600A) 1 LVLVD (150, 300, 500 or 600A)

Connections	
Battery connections	Battery cable, M8 bolts
Load MCB connections	Negative distribution directly from CBs. Common positive bus bars
Alarm connections	Plug-in wire connectors front or rear access

Other Specifications	
Isolation	3.0 KVAC – input and output 1.5 KVAC – input earth 0.5 KVDC – output earth
Operating temp.	-40 to +60°C (-40 to +140°F)
Storage temp.	-40 to +85°C (-40 to +185°F)
Dimensions (Ref. ETSI std)	600 x 600 x 1500/ 1800/ 2000/ 2200mm (wxdxh) (23.6 x 23.6 x 59/ 70.9/ 78.74/ 86.6")
Weight /1.8m	Appr. 90kg (199lbs) excl. rectifiers
Weight /2.0m	Appr. 97kg (214lbs) excl. rectifiers
Weight /2.2m	Appr. 102kg (225lbs) excl. rectifiers

Applicable Standards	
Electrical safety	IEC 60950, UL 60950
EMC	ETSI EN 300 386 V.1.3.1 (telecommunication network) EN 61000-6-3 (emission, light industry) EN 61000-6-2 (immunity, industry)
Environment	ETSI EN 300 019-2 ETSI EN 300 132-2

ORDERING INFORMATION

Part no.	Description
241115.001	Flatpack2 48V rectifier module

Distributor in Hungary:

T-Network Kft.
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