

## Compact HE 1U Power Shelves

The Flatpack S 1U Power Shelves are designed for integration into a power system. It can be used with all Flatpack S rectifiers and meets the markets demand for flexible and expandable power solutions. The combination of power density, efficiency, and reliability makes the Flatpack S family a perfect choice for telecom and industrial applications.



# FLATPACK S 1U POWER SHELVES

1U x 19" 48V / 24V – C+5R/6R

Doc 241122.90x.DS3 – v0

### APPLICATIONS

#### INDUSTRIAL

- OFFHORE
- PROCESS INDUSTRY

#### RAILWAY INFRASTRUCTURE

- CONTROL AND PROTECTION
- SIGNALLING

#### TELECOM – FIXED

- FIBER OPTICS / FTTX
- MICROWAVE
- CABLE
- BROADBAND

#### TELECOM – MOBILE / WIRELESS

- BROADBAND
- LTE/4G/WIMAX



SMARTPACK S CONTROLLER



FLATPACK S RECTIFIER 24V OR 48V

### KEY FEATURES

- COMPACT HE POWER SHELVES
- HOT PLUGGABLE RECTIFIERS
  - FPS 24/1000 HE
  - FPS 24/1000 HE SIL3
  - FPS 48/1000 HE
  - FPS 48/1800 HE
- 270 MM DEPTH
- 1U HEIGHT
- FLUSH OR MID MOUNT
- AC OR DC INPUT
- FLOATING OUTPUT
  - 48Vdc
  - 24Vdc
- ADVANCED CONTROL AND MONITORING

# FLATPACK S 1U SYSTEMS

1U x 19" 48V / 24V – C+5R/6R

Model	Flatpack S 1U/C+5R	Flatpack S 1U/6R
Part number	241122.900	241122.901
<b>INPUT DATA</b>		
Voltage (nominal)	185 - 305V <sub>AC/DC</sub>	
Maximum current (per feed)	21A <sub>rms</sub>	
Mains configuration	3 x single phase	
Mains connection	6 x faston	
Frequency	45 – 66Hz	
<b>OUTPUT DATA</b>		
Maximum voltage	60V <sub>DC</sub>	
Maximum current	187,5A <sub>dc</sub>	225A <sub>dc</sub>
Connection	M6 insert nuts	
<b>CONTROLLER</b>		
	Smartpack S <sup>1)</sup>	External <sup>2)</sup>
<b>MECHANICAL DATA</b>		
Dimensions (W/H/D)	19" / 1U / 270mm (recommended minimum cabinet depth, 300mm)	
Weight (without rectifiers / controller)	2,8 Kg [6.17 lbs]	
<b>OTHER SPECIFICATIONS</b>		
Operating temperature <sup>3)</sup>	-40 to +85°C (-40 to +185°F)	
Coding	Coding to prevent insertion of incorrect power modules	
Mounting	Flush mount or mid mount	
<b>DESIGN STANDARDS</b>		
Electrical safety	UL 60950-1 2ed, EN 60950-1 2ed	
EMC	ETSI EN 300 386 V.1.6.1 EN 61000-6-1 (immunity, light industry) EN 61000-6-2 (immunity, industry) EN 61000-6-3 (emission, light industry) EN 61000-6-4 (emission, industry)	
Environment	ETSI EN 300 019-2-1 Class 1.2 ETSI EN 300 019-2-2 Class 2.3 ETSI EN 300 019-2-3 Class 3.2	

- 1) See applicable datasheet for Smartpack S  
 2) Can be used with Compack, Smartpack 2 and Smartpack S controllers  
 3) See rectifier and controller datasheet for details

Doc 241122.90X.DS3 – rev2

Specifications are subject to change without notice

## OPTIONAL CONTROLLERS FPS 1U/6R



COMPACK



SMARTPACK S PANEL MOUNT



SMARTPACK2