

Flatpack S 1U Bulk Feed

1U x 19" 48V / 36V / 24V – 3R



Compact 1U power system

The Flatpack S 1U Bulk Feed system is designed for external distributions, and due to its many output options, it meets the market demand for flexible and expandable DC power solutions.

With its small size, high efficiency, reliability and wide range of communication, the Flatpack S System is the key for future needs. The shallow depth makes the system suitable for most cabinets and thereby excellent as a replacement unit.

Applications

Telecom

- Mobile
- Wireless
- Fixed line

Industrial

- Offshore
- Marine
- Process industry

Key features

- Bulk feed system
- Smartpack S controller
- Flatpack S rectifiers
- Hot pluggable rectifiers
- Hot pluggable controller
- Remote monitoring through ethernet port
- 262 mm system depth
- 1U height
- Optional LVBD
- Various outputs
 - 48 V negative or positive
 - 36 V negative or positive
 - 24 V negative or positive
 - 2x direct bulk + 2x controlled by LVBD
- Or
 - 4x direct bulk

FLATPACK S 1U Systems

Model	Controller & 48V Rectifiers	Controller & 36V Rectifiers	Controller & 24V Rectifiers
Part number	CTOS0301.xxx	CTOS0301.xxx	CTOS0301.xxx

Input data			
Maximum voltage	305 V _{AC} ¹⁾		
Maximum current	9.9 A per module	5.9 A per module	5.9 A per module
Mains configuration	230 V _{AC} , 3 x 1 phase or 3 phase (Δ) 230/400 V _{AC} , 3 phase (Y)		
Mains connection	4 mm ² Terminal blocks, rear connection		
Frequency	45 to 66 Hz		

Output data			
Voltage	48 V _{DC}	36 V _{DC}	24 V _{DC}
Maximum current	125 A	125 A	125 A

Battery (no breaker positions)	
LVBD (80 A latched)	Optional
Shunt	In positive or negative leg
Connection (rear)	M6 cable lug

Load (no breaker positions)	
Connection (rear)	M6 cable lug

Control and monitoring	
Smartpack S	6x Input/Output connections and Ethernet ²⁾

FLATPACK S 1U Systems

Mechanical data	
Dimensions (W x H x D)	19" / 1U / 250 mm Recommended minimum cabinet depth, 300 mm
Weight, including controller, excluding rectifiers	4.7 kg [10.4 lbs]

Design standards	
Electrical safety	EN IEC 62368-1:2020+A11:2020
EMC	ETSI EN 300 386 V.1.4.1 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 Normal operating conditions as per IEC 62040-5-3:2016 clause 4.2. Other operating conditions, as per IEC 62040-5-3:2016 clause 4.3, must be advised

- 1) See Flatpack S rectifier datasheet for more information
2) See Smartpack S datasheet

Specifications are subject to change without notice

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