

Compact HE 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.



FLATPACK S 1U BULK FEED

1U X 19" 48V / 36V / 24V – 3R

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APPLICATIONS

TELECOM

- MOBILE
- WIRELESS
- FIXED LINE

INDUSTRIAL

- OFFSHORE
- MARINE
- PROCESS INDUSTRY



SMARTPACK S CONTROLLER



FLATPACK S RECTIFIER 24V, 36V OR 48V

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
 - 48V NEGATIVE OR POSITIVE
 - 36V NEGATIVE OR POSITIVE
 - 24V NEGATIVE OR POSITIVE
 - 2 X DIRECT BULK + 2 CONTROLLED BY LVBD
- OR
- 4 X DIRECT BULK

FLATPACK S 1U Systems



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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	4mm 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 amp latched)	Optional		
Shunt	In positive or negative leg		
Connection (rear)	M6 cable lug		
LOAD (no breaker positions)			
Connection (rear)	M6 cable lug		
CONTROL & MONITORING			
Smartpack S	6x Input/Output connections and Ethernet. See Smartpack S datasheet		
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	UL 60950-1, EN 60950-1		
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

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Specifications are subject to change without notice