

## 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 markets 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 / 24V – 3R

Doc S0301.001.DS3 – rev2

### APPLICATIONS

#### TELECOM:

- MOBILE
- WIRELESS
- FIXED

#### INDUSTRIAL:

- OFFSHORE
- MARINE
- PROCESS INDUSTRY



SMARTPACK S CONTROLLER



FLATPACK S RECTIFIER 24V OR 48V

### KEY FEATURES

- BULK FEED SYSTEM
  - SMARTPACK S CONTROLLER
  - FLATPACK S RECTIFIERS
- HOT PLUGGABLE RECTIFIERS
- HOT PLUGGABLE CONTROLLER
- ADVANCED CONTROL AND MONITORING THROUGH ETHERNET PORT
- 262 MM SYSTEM DEPTH
- 1U HEIGHT
- OPTIONAL OUTPUT
  - 48V NEGATIVE OR POSITIVE
  - 24V NEGATIVE OR POSITIVE
  - 2 X DIRECTLY BULK + 2 CONTROLLED BY LVBD
- OR
- 4 X DIRECTLY BULK
- OPTIONAL LVBD
- SHUNT IN NEGATIVE OR POSITIVE LEG

# FLATPACK S 1U SYSTEMS

1U x 19" 48V / 24V – 3R



MODEL	Controller & 48V Rectifiers	Controller & 24V Rectifiers
Part number	CTOS0301.xxx	CTOS0301.xxx
<b>INPUT DATA</b>		
Voltage (maximum)	305V <sub>AC</sub> <sup>1)</sup>	
Mains Configuration (individual feed)	230V <sub>AC</sub> , 3 x 1 phase or 3 phase(Δ) 230/400V <sub>AC</sub> , 3 phase (Y)	
Mains Connection	4mm <sup>2</sup> Terminal blocks, rear connection	
Frequency	45 to 66Hz	
<b>OUTPUT DATA</b>		
Voltage	48Vdc	24Vdc
Max. Current	125A	125A
<b>BATTERY (no breaker positions)</b>		
LVBD (80A latched)	Optional	
Shunt	In positive or negative leg	
Connection (rear)	M6 cable lug	
<b>LOAD (no breaker positions)</b>		
Connection (rear)	M6 cable lug	
<b>CONTROL &amp; MONITORING</b>		
Smartpack S	6x Input/Output and Ethernet, See Smartpack S datasheet	
<b>MECHANICAL DATA</b>		
Dimensions (W/H/D)	19"/1U/250mm Recommended minimum cabinet depth, 300 mm	
Weight, including controller, excluding rectifiers	4.7 kg [10.4 lbs]	
<b>DESIGN STANDARDS</b>		
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	

1) See FPS rectifier datasheet for more information