

Compact HE 1U power systems

Increasing network speed demands flexible and expandable DC power solutions. Due to 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 SYSTEMS

1U x 19" 48V – 2R/3R

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APPLICATIONS

TELECOM – MOBILE / WIRELESS

- RADIO BASE STATIONS/ CELL SITES
- LTE / 4G / WIMAX
- DISTRIBUTED ANTENNA SYSTEMS
- MICROWAVE
- BROADBAND

TELECOM – FIXED

- TELEPHONY SERVERS / SWITCHES
- FIBER OPTICS / FTTX
- MICROWAVE
- CABLE
- BROADBAND



SMARTPACK S CONTROLLER



FLATPACK S 48V 1800W RECTIFIER

KEY FEATURES

- COMPLETE SYSTEM
 - SMARTPACK S CONTROLLER
 - RECTIFIERS
 - BATTERY DISTRIBUTION
 - LOAD DISTRIBUTION
- 262 MM SYSTEM DEPTH
- 1U HEIGHT
- HOT PLUGGABLE RECTIFIERS
- HOT PLUGGABLE CONTROLLER
- ADVANCED CONTROL AND MONITORING THROUGH ETHERNET PORT
- 2R (40A) LOAD OPTIONS
 - 7 X 30A MCB DRAWER (OPTIONAL LVLD)
 - 4 X 30A MCB FRONT
 - 7 X 15A FUSE FRONT
- 3R (100A) LOAD OPTIONS
 - 2 X 80A

FLATPACK S 1U SYSTEMS



1U X 19" 48V – 2R/3R

| Model | 1 Controller + 2 Rectifiers | 1 Controller + 3 Rectifiers |
|--|---|--|
| Part number | CTOS0201.xxx | CTOS0301.xxx |
| INPUT DATA | | |
| Voltage | 100 - 250V _{AC} | 100 - 250V _{AC} |
| Mains Configuration | 230V _{AC} , 1 phase or 2 x 1phase | 230V _{AC} , 3 x 1 phase or 3 phase(Δ) 230/400V _{AC} , 3 phase (Y) |
| Mains Connection | 2,5mm ² Terminal blocks, rear connection | |
| Frequency | 45 to 66Hz | |
| OUTPUT DATA | | |
| Voltage | - 48Vdc | - 48Vdc |
| Max. Current | 40A | 100A |
| BATTERY DISTRIBUTION | | |
| LVBD | Default | Default |
| Breaker (Plug-in type) maximum size | 2 x 40A ¹⁾ | 2 x 80A ¹⁾ |
| Connection (rear) | 16mm ² Terminal blocks | M6 cable lug |
| LOAD DISTRIBUTION | | |
| Rear connections | N/A | 2 x 80A, M6 cable lug |
| Rear cabel entry, front access Connections, screw terminals Optional LVLD | 7 x 30A MCB ²⁾ 7 X 4mm ² on MCB 1 and 2 | N/A |
| Front connections Plug-able screw terminals | 4 x 30A MCB / 7 x 15A Fuse 4mm ² | N/A |
| CONTROL & MONITORING | | |
| Smartpack S | 6x Input/Output and Ethernet. See Smartpack S datasheet | |
| MECHANICAL DATA | | |
| Dimensions (W/H/D) | 19"/1U/262mm Recommended minimum cabinet depth, 300 mm | |
| Weight, including controller and distributions, excluding rectifiers | 5.3 kg [11.7 lbs] | 5.2 kg [11.5 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 | |
| <p>1) If only one string is used, one of the battery breakers can be configured as a load breaker. 2) Drawer solution, front access for actual connection, but cables enters from rear</p> | | |

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Specifications are subject to change without notice