

Compact HE 2U power system

The Flatpack S 2U system is designed with customer flexibility in mind.

This small power dense system is purely based on pluggable breakers and rectifiers and can easily be configured to fit your required application, even in field. The combination of Flatpack S HE rectifier and Smartpack S controller ensures safe, reliable and environmental friendly operation. The shallow depth makes it suitable for most cabinets and excellent as a replacement unit. And as it is all based on the well proven Eltek technology, the Flatpack S family is the key for future needs.



Flatpack S 2U (DC Power supply system 150A)

Doc MFGS0502. xxx.DS3 – rev2

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 48/1800 Rectifier

KEY FEATURES

- COMPLETE SYSTEM
- SMARTPACK S CONTROLLER
- HIGH EFFICIENCY RECTIFIERS
- BATTERY DISTRIBUTION
- LOAD DISTRIBUTION
- 270 MM SYSTEM DEPTH
- 2U HEIGHT
- HOT PLUGGABLE RECTIFIERS
- HOT PLUGGABLE CONTROLLER
- ADVANCED CONTROL AND MONITORING THROUGH ETHERNET PORT
- 4 LARGE BREAKER POSITIONS FOR BATTERY AND LOAD
- 10 X 30A MCB DISTRIBUTION
- PUSH-IN FRONT CONNECTION
- LVBD
- LVLD (OPTIONAL)

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MODEL	2BB+2LB	2BB+2LB LVLD	4BB
Part number	MFGS0502.001	MFGS0502.002	MFGS0502.003

INPUT DATA

Maximum voltage	305 V _{AC/DC}
Maximum current	21A _{rms}
Mains configuration	3 x single phase
Mains connection	Faston connectors (6,3mm), rear connection
Frequency	45-66Hz

OUTPUT DATA

Nominal voltage	- 48V _{DC}
Maximum current CE	150A _{DC}
Maximum current UR (UL recognized)	100A _{DC}

BATTERY DISTRIBUTION

LVBD	Default		
Plug-in Breakers (max rating)	2 x 80A	2 x 80A	4 x 80A
Connection (rear)	M6 Studs, 25mm ² max		

LOAD DISTRIBUTION

LVLD (on large breakers)	n/a	Default	n/a
Plug-in Breakers Large (max rating)	2 x 80A	2 x 80A	n/a
Connection Large Breakers (rear)	M6 Studs, 25mm ² max		
Plug-in Breakers Small (max rating)	10 x 30A ¹⁾		
Connection 30A Breakers (front)	Push-in terminals, 6mm ² max		

CONTROL & MONITORING

Smartpack S	6 x Input / Output and Ethernet ²⁾
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OTHER SPECIFICATIONS

Dimensions (W x H x D)	19" / 2U / 270mm (incl. rear terminal cover) ³⁾
Weight (w/o controller, rectifiers and breakers)	6,3kg [13,88 lbs]
Mounting	19" Flush mount
Coding (prevents mixing of output voltages)	Coded for FPS 48V/1000W & 1800W

DESIGN STANDARDS

Electrical safety	UL60950-1 / EN60950-1
EMC	ETSI EN 300 386 v1.6.1 EN 61000-6-1 (immunity light industry) EN 61000-6-2 (immunity industry) EN 61000-6-3 + A1 (emission light industry) EN 61000-6-4 + A1 (emission industry)
Environment	ETS 300 019-2-1 Class 1.2 ETS 300 019-2-2 Class 2.3 ETS 300 019-2-3 Class 3.2

1) Each breaker branch (5 x B-frame breakers) rated for maximum 80A in total

2) See Smartpack S datasheet

3) 30mm space in front and back of the system required for air flow