

# Flatpack D Medium power system

Versatile and powerful solution for any application

The power system provides ultimate power density of 15kW within 1U 19" power shelf.

The combination with 3U distribution design, power density and reliability makes the Flatpack D a product family that stands out and provides unparalleled network availability and power output.



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DC Power supply system 200A / 500A

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### APPLICATIONS

#### TELECOM – MOBILE / WIRELESS

- Radio Base stations/ Cell Sites
- LTE / 4G / WiMAX
- 5G
- Distributed Antenna Systems
- Microwave
- Broadband

#### TELECOM – FIXED

- Telephony servers / switches
- Fiber Optics / FTTx
- Microwave
- Cable
- Broadband

### PRODUCT DESCRIPTION

The 3U distribution is designed to meet the demand for compact and flexible DC power solutions.

Its highly configurable design is based on building blocks and offers a variety of configurations. The DIN mounted battery and load breakers ensures easy configurability as well as "in field" replacement.

### KEY FEATURES

- COMPLETE SYSTEM
- SMARTPACK S CONTROLLER
- SUPER HIGH EFFICIENCY RECTIFIERS
- HOT PLUGGABLE MODULES
- 19" / 3U DISTRIBUTION CHASSIS
- UPTO 6X BATTERY BREAKERS
- LVBD
- UPTO 18X LOAD BREAKERS
- LVLD (OPTIONAL)
- CE APPROVALS



Smartpack S controller



Flatpack D 48/3000 SHE+ rectifier

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MODEL	12 KW	27 KW
Part number (Configured power system)	CTOF6B0404.nnnn	CTOF6B0905.nnnn
POWER MODULE		
Flatpack D rectifier <sup>1)</sup>	Flatpack D 48/3000 SHE <sup>+</sup>	
INPUT DATA		
Voltage (range)	80-300 V <sub>AC</sub>	
Mains Frequency	50 / 60 Hz	
Mains configuration	Single input: 1x 3p400 V <sub>AC</sub> TN / 1x 3p230 V <sub>AC</sub> IT, 3x 1p230V <sub>AC</sub> TN Individual input: Flying wires	Dual input: 2x 3p400 V <sub>AC</sub> TN, 2x 3p230 V <sub>AC</sub> IT, 2x (3x 1p230V <sub>AC</sub> TN) Individual input: Flying wires
OUTPUT DATA		
Voltage	-48 V <sub>DC</sub>	-48 V <sub>DC</sub>
Load Current (maximum)	200 A	500 A
Output Power (maximum)	12kW	27kW
BATTERY DISTRIBUTION		
Number of breaker positions	Up to 4x 27 mm	Up to 6x 27 mm
LVBD	300 A (default)	500 A (default)
Battery breaker type	DIN rail mounted (27 mm wide MCBs)	
LOAD DISTRIBUTION		
Number of load positions	Up to 18x 18 mm	Up to 16x 18 mm
LVLD (optional)	1x 150 A	1x 300 A or 500 A
Load breaker type	DIN rail mounted (18 mm and 27 mm wide MCBs)	
CONTROL AND MONITORING		
Control and Monitoring unit <sup>2)</sup>	Smartpack S	
Local operation	Self-explanatory menu guided operation via touch-pad and graphical colour display	
Remote operation	Ethernet for remote/local monitoring and control via WEB Browser	
OTHER SPECIFICATIONS		
Operating temperature	-40 to +55 °C [-40 to +131 °F]	
Storage temperature	-40 to +85 °C [-40 to +185 °F]	
Dimensions (W x D x H) <sup>3)</sup>	483 x 335 x 178 mm [19 x 13.1 x 7 inch]	483 x 335 x 222 mm [19 x 13.1 x 8.74 inch]
Weight (excluding modules)	Approximately 11 kg [24 lbs]	Approximately 16 kg [35 lbs]
DESIGN STANDARDS		
Electrical safety	IEC/EN 62368-1	
EMC	ETSI EN 300 386 v1.3.2 EN 61000-6-1 /-2 /-3 /-4	
Environment	ETSI EN 300 019-2-1 (Class 1.2) /-2 (Class 2.3) /-3 (Class 3.2) ETSI EN 300 132-2 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	
<div><div><sup>1)</sup> See Flatpack D rectifier datasheet for details</div><div><sup>2)</sup> See Smartpack S controller datasheet for details</div><div><sup>3)</sup> Recommended minimum cabinet depth is 400 mm [15.7 inch]</div></div>		

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Specifications are subject to change without notice