



Rating: 80 Ampere

Voltage: 230VAC

Configuration: Rackmount

FlexPower 80 DC Power system is a compact and intelligent power system containing up to 4 modules of Flex 48/1160 rectifiers, controller module, AC connection and DC connection. It supports remote monitoring and management with SNMP. In addition, easy installation to compact size add to the success of the system.

Applications:

- Fiber Optic Network
- Access network
- Transmissions equipment
- Mobile communication
- Satellite communication ground station

Product Features:

- 19", 2U sub-rack
- System capacity total up to 6.96kw with 20A rectifier
- RS232/RS485 and RJ45 communication interface, SNMP optional
- PFC technique features high efficiency and 0.99 power factor
- Intelligent fan-cooling technique
- Fast on-line expansion of rectifier modules enabled by hot swap
- Batteries monitoring and management enables backup batteries well maintained

TECHNICAL SPECIFICATIONS – PowerHub FlexPower 80

MODEL	FlexPower 80
INPUT	
AC Supply	85V ~ 300V
Frequency	45 ~ 65Hz
Power Factor	0.99
Voltage Distortion	<5%
Current Distortion	≤ 10% @ 50~100% load
OUTPUT	
Output Voltage	-48VDC (-42 to -58VDC adjustable)
Output Current	80A Max
Voltage Regulation	≤ ±1%
Current Sharing	≤ ±5%
Efficiency	≥ 91.5% rated, 92% maximum
Ripple and Noise	≤ 200mV P-Peak
Psophometric Noise	≤ 2mV rms
OPTIONS	
DC Distribution	Load: 4x 30A MCB Battery: 2x 50A MCB BLVD: 1x 100A DC contactor
Low Voltage Disconnect	Single or multiple LVD configured as battery disconnect
Output Protection	Over/under voltage shutdown Short circuit High temperature
Rectifier Module	4x Flex 48/1160
MONITORING and CONTROL	
System Controller	DKD
Interface	LCD, PC
Remote Operation	Modem/On-board web server/SNMP
Alarms Relays	2 relays
Digital Inputs	6 options (for external equipment and battery)
Monitoring	RS232, RJ45 (TCP/IP, On-board web server); SNMP and relative DC/DC converter as optional items
OTHER	
Operating Temperature	-40 to +75°C
Storage Temperature	-40 to +85°C
Humidity	≤ 95% non-condensing (Operating) ≤ 99% non-condensing (Storage)
Dimension WxDxH	444x385.4x88.2 mm
Weight	12kg

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