



Flex 48/1160 is a digitalized rectifier with outstanding reliability, efficiency and power density. Incorporated one fan front-to-back airflow while featuring the latest thermal solution, the module ensures stability in wide range of working environment. It is essentially designed for telecom, network access, data room applications with stunning performance.

Product Features:

- High efficiency and highest power density at typical 91.5% and max 92%
- Digitalized primary and secondary controls realize excellent monitoring and regulation
- Intelligent fan-cooling technique brings good cooling performance , low failure rate and high reliability
- Excellent EMC performance
- Lower interference and excellent susceptibility give module a better reliability

Applications:

- Broadband and Access network
- Satellite communication ground station
- 3G base station
- Wireless communication
- Telecom roadside cabinets

TECHNICAL SPECIFICATIONS – PowerHub Flex 48/1160

MODEL	Flex 48/1160
INPUT	
AC Supply	80V ~ 300V (Nominal 154 ~ 300VAC)
Frequency	45 ~ 65Hz
Power Factor	0.99 at 40% or more
Input current	≤ 5.5Arms at nominal input ≤ 8Arms at 154Vac input
Startup time	3 ~ 8 sec
THDi	< 5% at full load; < 10% at half load
OUTPUT	
Output voltage	53.5V ±0.15VDC (42 ~ 58VDC adjustable)
Output power	1160w at nominal input
Output current	21.5A ±0.5A at nominal input
Static voltage regulation	≤ ±0.6%
Dynamic voltage regulation	≤ ±5% for 10~90% or 90~10% load variation
Current sharing	≤ ±5%
Efficiency	Typical 91.5%, max 92%
Holdup time	> 10ms
Ripple and Noise	≤ 200mV P-Peak
Psophometric noise	≤ 2mV rms
OTHERS	
Output Protection	59V ±1VDC overvoltage shutdown Short circuit proof High temperature protection Fuse
Isolation	3.0kVAC - input and output 1.5kVAC - input and earth 0.5kVAC - output and earth
Alarms	Mains over/under voltage, mains over voltage disconnection, high/low ambient temperature
Faults	Fan failure, PFC failure, overvoltage shutdown, over temperature
Protection level	IP20
Cooling	One fan (front to back airflow)
MTBF	> 300,000 hours
Noise	< 55dBA
Operating temperature	-40 to +75°C
Storage temperature	-40 to +85°C
Humidity	Operating: ≤ 95% non-condensing; Storage: ≤ 99% non-condensing
Dimension WxDxH	109x208x41.5 mm
Weight	1.1kg

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