

FlexCombi 3000 Rectifier Module Series

Rating: 50 Ampere

Voltage: 48VDC

Configuration: Module

FlexCombi 3000 Rectifier Module is a digitalized rectifier module with outstanding reliability, efficiency and power density. It comes with a front-to-back airflow that ensures stability in wide range of working environments (up to 70°C). It is essentially designed for telecommunication, network access, data room applications with stunning performance.



Product Highlights:

- Nominal AC input: 85Vac~290Vac;
- Wide Working Temperature range: -40°C~+70°C;
- Active power factor correction: PF≥0.99;
- Fan speed control design;
- Output terminal with hot plug connector.
- Hot Swappable
- 92% Efficiency
- MTBF: 300,000 hours

Applications:

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

MODEL	FlexCombi 3000 Rectifier Module
INPUT	
AC Supply	85V ~ 300V (Nominal 185 ~ 300VAC)
Frequency	45 ~ 66Hz
Power Factor	0.99
Input Current	≤ 20A
THDi	≤ 5%
OUTPUT	
Output Voltage	53.5V ±0.15VDC (42.0 ~ 58.0VDC adjustable)
Output Power	3000W
Output Current	50A
Voltage regulation factor	≤ ±0.1%
Dynamic Voltage Regulation	≤ ±5% for 10~90% or 90~10% load variation
Current Sharing	≤ ±5%
Efficiency	Typical 92%
Ripple and Noise	≤ 200mV P-Peak
Psophometric Noise	≤ 2mVrms
OTHERS	
Output Protection	Overvoltage shutdown at 59V ±1VDC Short circuit High temperature
Alarms	Mains over/under voltage, 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 +70°C
Storage Temperature	-40 to +85°C
Humidity	≤ 95% non-condensing (Operating) ≤ 99% non-condensing (Storage)
Dimension (WxDxH)mm	70 x 278 x 42.5 mm
Weight	1.75kg

* Specifications are subject to change without prior notice

