

A48/15/60 EZ-2 switch mode DC power supply system is a high effective, intelligent power supply system. Specially designed for -48V telecommunication power application. The system is of modular design with N+1 redundant with hot swappable capability, hence, particularly easy and convenient maintenance.

A microprocessor provides comprehensive monitor and controls the operating parameters of the entire system. As well as featuring the battery management. The system can perform remote monitor and control through RS-232.

A typical installation might include several rectifier modules in parallel with a rechargeable backup battery connected to their outputs. Also the system can be divided into 5 major block : (1) AC distribution, (2) DC distribution, (3) EZ-2 supervisory unit,(4)Rectifier modular, (5)Battery Low Voltage Disconnect.

Major features

- **Compact design**
The narrow width allows 4 modules with AC PDU, DC PDU, EZ-2 supervisory unit, LVDS to fit across a 3U high standard 19 inch rack shelf.
- **Rectifier module**
The AMB8030H rectifier module, it is specially designed for the -48V telecommunication power applications. By using the full bridge rectifier, phase shift modulation technology and power factor compensation technology.
- **Input Transient Voltage Protection**
The AC PDU is also installed with MOVs which protect the shelf against line transient and spike.
- **Hot pluggable.**
The system need not be shut down when changing module
- **Remote control and monitoring**
EZ-2 supervisory can perform local and remote monitor and control through RS-232 or RS-485.



- **Non-stop**
When supervisory is malfunctioning, the rectifier modules will not fail the system normal operation.
- **Battery temperature compensation**
The optimum float voltage for a rechargeable battery is dependent on the battery temperature. The life of the battery may be substantially extended if the float voltage is automatically adjusted as the temperature changes.
- **Battery current limit**
When equalize mode and the load current is low it is possible that the maximum battery charge current may be exceeded. A supervisory unit provided battery charging current limiting setting.
- **Battery low voltage Disconnect**
As battery discharges to the voltage below the rating (adjustable), it will alarm and break off to make battery separated from load to protect over-discharge

Application :

- Mobile station
- Small capacity PABX, PBX
- Fiber optics transmission
- Other -48Vdc power critical

Specifications :

AC input :

Voltage : 110/220Vac Single phase

Operating voltage : 90 275Vac

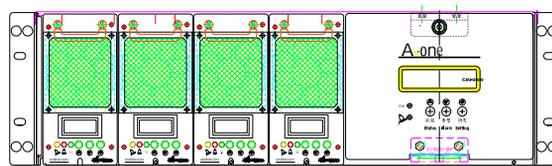
Frequency : 45~65Hz

Current : 32A max.

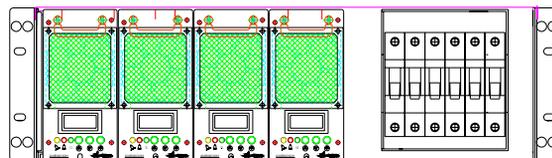
Power factor : 0.99

Efficiency : 91% (typical)

audible noise : <58dBA (1M)



Front View



Front View Door open

DC output :

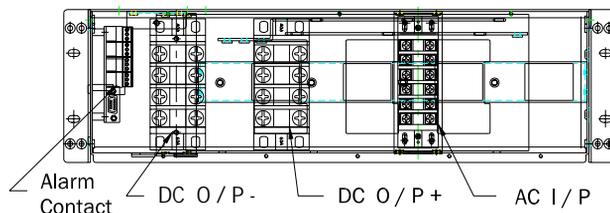
DC output :

Voltage : -54V (-42~60V adjustable)

Current(N+1) : 0 45A

Capacity : 60A

Interior voltage drop : <0.4V



Back View

Mechanical

Dimensions : 132(H)*440(W)*350(D)

Weight : 8 Kg

Others

Temperature :

Operating : -5 ~50

Storage : -40 ~80

Humidity : up to 90% RH (non-condensing)

Altitude : < 3000meter

Item	Description	Q'ty	Specifications	Manufacturer
1	Monitoring & Control Interface	1	4323-511	A-one
2	Control Supervisory Unit	1	4328-206	A-one
3	Rectifier	4	AMB8015H	A-one
4	AC MNFB	1	NFB 40A/1P
5	Load switch	2	NFB 50A/1P
6	Battery switch	2	NFB 50A/1P
7	LVDS(option)	1	48V 50A

Note : Many other type of changers are available