

A24/30/120 EZ-2 switch mode DC power supply system is a high effective, intelligent power supply system. Specially designed for -24V 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 -24V 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 ( Option)**  
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 24Vdc power critical

## Specifications :

AC input :

Voltage : 110/220Vac Single phase

Operating voltage : 90 ~ 275Vac

Frequency : 45~65Hz

Current : 32A /24A ( 110/220V )

Power factor : 0.99

audible noise : <58dBA (1M)

DC output :

Voltage : -24V (-22~29V adjustable)

Current(N+1) : 0 ~ 90A (0~75A at 110V input)

Capacity : 120A (0~100A at 110V input)

Interior voltage drop : <0.4V

## Mechanical

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

Weight : 8 Kg

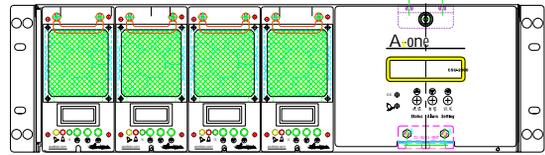
## Others

Temperature :

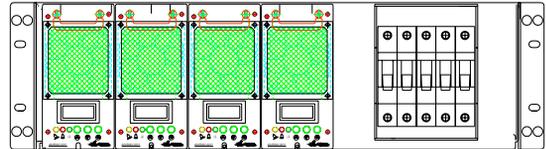
Operating : -5 ~50  
Storage : -40 ~80

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

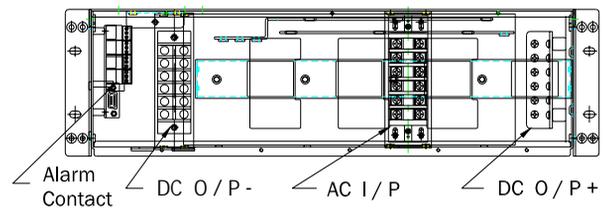
Altitude : < 3000meter



Front View



Front View Door open



Back View

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	AMB8030H	A-one
4	AC MNFB	1	NFB 40A/1P	.....
5	Load switch	1	NFB 63A/1P	.....
6	Load switch	1	NFB 50A/1P	.....
7	Battery switch	2	NFB 63A/1P	.....
8	LVDS	1	24V 100A	.....

Note : Many other type of changers are available