

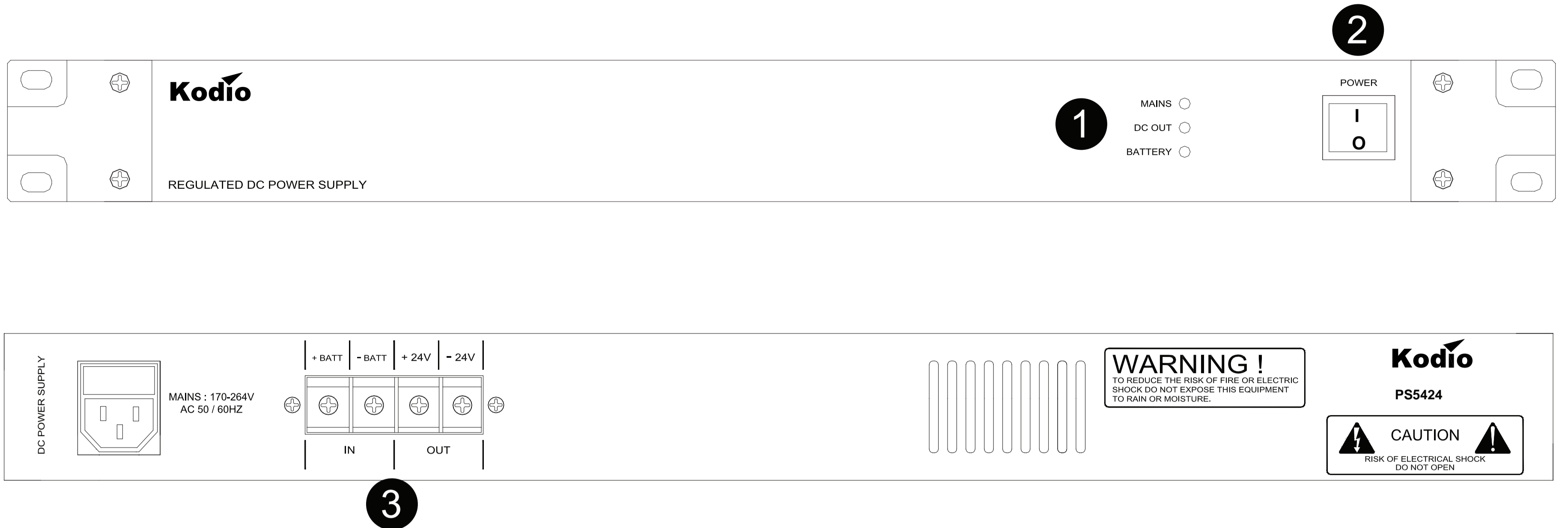
PS 5424

24V DC Regulated Power Supply



Kodio PS-5424 is a rack mounted 24V DC regulated power pack designed uniquely for PA installations. It come with built in changeover relay which shall be connected to back up 24V DC to allow continuous and uninterrupted supply to the whole installation whenever the mains failed.

Parts Identifications



1. LED INDICATORS

MAINS for AC mains input, DC OUT for outgoing 24V DC and BATTERY for input voltage from battery bank.

2. POWER SWITCH

For switching mains ac power.

ON - AC fail battery take over

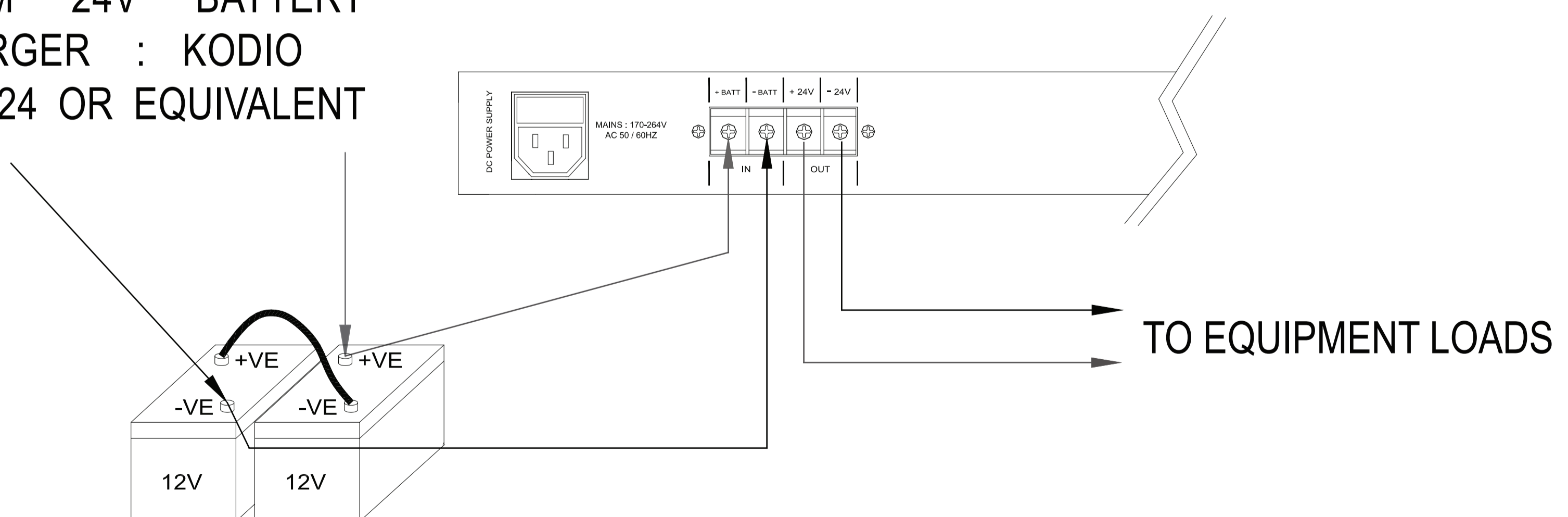
OFF - Switching off AC and DC output

3. BATTERY AND DC OUT CONNECTORS

For connections from battery banks (24V DC) and output to equipments.

Conneting The Unit

FROM 24V BATTERY
CHARGER : KODIO
BC5324 OR EQUIVALENT



Note :

Ensure correct polarity when connecting as wrong connection may cause serious damage to the equipments as well as injuries.PPP

Operating The Unit

This equipment requires adequate ventilation. Please ensure enough breathing space is available for heat dissipation and install ventilation fan in your rack. The chassis also acts as heat sink unit.

Under normal condition with AC supply available, the output shall be supplied through the AC / DC conversion circuitry. In the event that power failure occurs, the internal overriding relay shall switch over to back up battery supply.

In overall, the unit can supply a load of up to 4.5 A max. Only connect loads of low power consumption to the unit. Other high power drawing equipments such as power amplifiers should be connected separately, or use external high power relay for back up supply switch over.

PS5424 is built from switching power circuitry thus providing high level of regulation even though incoming supply may varies.

However, prolonged unstable supply which exceeds the mains operating range may cause damage to the unit or may affect the output performance.

Remove any short circuit immediately if detected.

Do not modify the output fuse rating to higher amps.

Always ensure correct polarity when connecting. Failure to observe this may cause severe damage and injuries.

Summary Of Features

- Compact 4A switching power supply
- High regulation factor
- Back up battery overriding
- Built in surge protection
- Short circuit / over load / over voltage

Technical Specifications

Input ac voltage	170 - 264 V ac, 50/60 Hz
Output voltage	24.0V , +/- 1 %
Ratings	4 A 24V DC Max 4.5A
No load consumption	50 mW
Efficiency	83 %
Indicators	LED indicators ~ AC mains input ~ Battery input ~ DC Output
Protection	Built in Line Surge Protection Short circuit, over load (105% ~ 150%), over voltage (115% - 135%)
Terminals	Battery inputs, Load , Barrier connectors
Weight (Net)	2.5 kg
Dimensions	482 (W) x 44 (H) x 180 (D) mm
Colour	Black, powder epoxy coating