



INSTRUCTION MANUAL

PS 9400

24V DC Regulated Power Supply

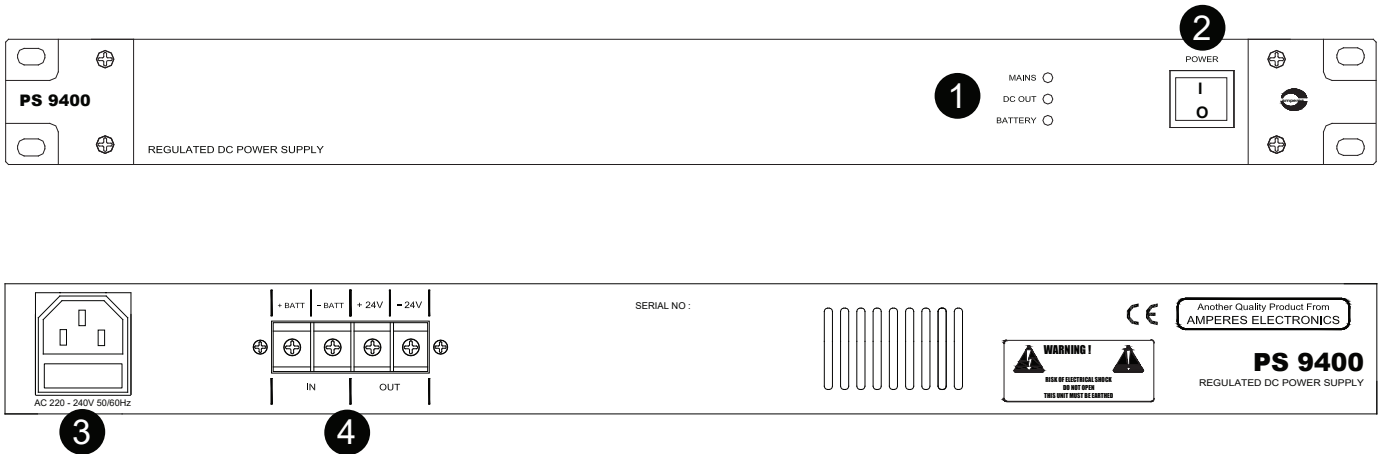
IMPROVED



Thank you for choosing another quality product from Amperes Electronics.

Amperes PS9400 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. AC POWER INLET

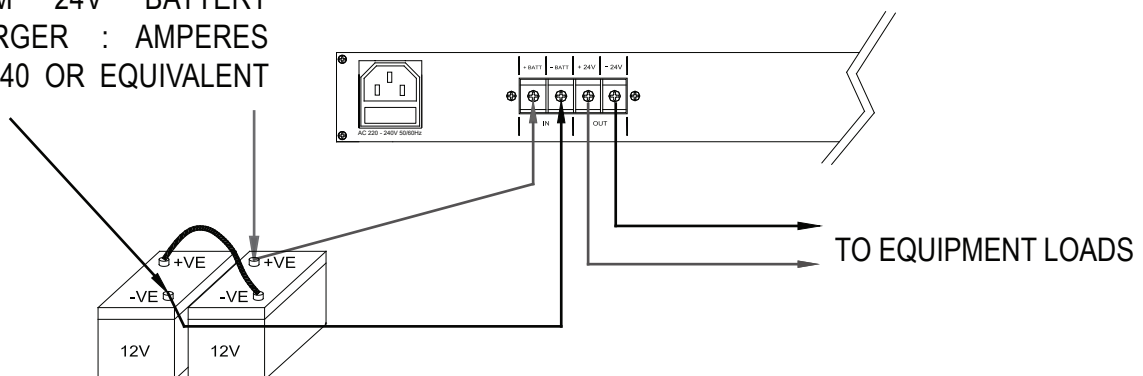
Incoming supply of 220 - 240V AC, please use correct fuse rating at the plug top for replacement.

4. BATTERY AND DC OUT CONNECTORS

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

Conneting The Unit

FROM 24V BATTERY
 CHARGER : AMPERES
 BC9740 OR EQUIVALENT



Note :

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

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 5.5A 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.

PS9400 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

Operating voltage	220 - 240V AC
Output voltage	24V +/- 1%
Rating	4A nominal ; max 5.5A
No load consumption	50 mW
Efficiency	83%
Indicators	AC mains, battery input, DC output
Protections	Built in surge protection Short circuit Overload (105% ~ 150%) Over voltage (115% ~ 135%)
Output DC protection	Fuse
Terminals	Batt input and load ; barrier connector
Dimensions (W x H x D)	482 x 44 x 180 mm
Weight	2.85 kg

Note:

The above specifications are correct at time of printing but subjected to changes without prior notice due to product improvements

Warranty Conditions

Only Amperes Electronics Service Centres are allowed to make warranty repairs : a list of Amperes Electronics Service Centres may be asked for by the purchaser or send directly to Amperes Electronics Sdn Bhd at 70 Jalan Industri PBP 3, Tmn Perindustrian Pusat Bandar Puchong, 47100, Puchong, Selangor, Malaysia or its authorized dealers. This warranty is not valid if repairs are performed by unauthorized personnel or service centres.

This warranty covers only repairs and replacement of defective parts ; cost and risks of transportation as well as removal and installation of the product from the main system are for the account of the purchaser. This warranty shall not extend to the replacement of the unit.

This warranty does not cover damages caused by misuse, neglect, accident of the product as well as using the product with power supply voltage other than shown on the product, or any other power supply source / adaptor not recommended by the manufacturer.

This warranty does not cover damages caused by fire, earthquakes, floods, lightning and every cause not directly related to the unit.

This warranty does not include any indemnity in favor of the purchaser or the dealer for the period out of use of the unit; moreover the warranty does not cover any damages which may be caused to people and things when using the product.

This warranty certificate is valid only for the described product, and is not valid if modifications are made on this certificate or on the identification label applied on the product.

This warranty covers all the material and manufacturing defects and is valid for a period of 36 months from the date of purchase or for a specified period in countries where this is stated by a national law. In this case, the extension is valid only in the country where the product is purchased.

Amperes Electronics Sdn Bhd is not obliged to modify previously manufactured products under warranty if the design changes or improvements are made.

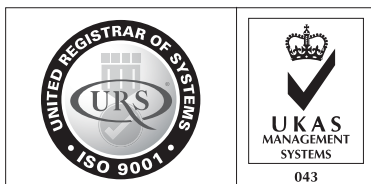
Disclaimer

Information contained in this manual is subject to change without prior notice and does not represent a commitment on the part of the vendor. AMPERES ELECTRONICS SDN BHD shall not be liable for any loss or damages whatsoever arising from the use of information or any error contained in this manual.

It is recommended that all services and repairs on this product be carried out by AMPERES ELECTRONICS SDN BHD or its authorized service agents.

AMPERES series must only be used for the purpose they were intended by the manufacturer and in conjunction with this operating manual.

AMPERES ELECTRONICS SDN BHD cannot accept any liability whatsoever for any loss or damages caused by service, maintenance or repair by unauthorized personnel, or by use other than that intended by the manufacturer.



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