



- FEATURES:**
- Primary Switched With PFC Input
 - Universal AC Input
 - Chassis mount
 - Can be used as a float charger
 - Output voltages 12V , 24V , 48V
 - Remote sensing
 - Safety and EMC standards compliance

DESCRIPTION:

The PS5 series of external power supplies designed for connection to equipment requiring a stable DC-supply in a compact external style case. State-of-the-art technology allows to supply them in a very compact housing with mounting brackets for chassis or wall mounting. The dimensions are :W x H x D = 110 x 58 x 226mm.

A temperature-controlled fan provides for appropriate cooling under operation. With constant current limiting the PS5 series can also be used for float charging a lead acid battery with a load connected directly. The output voltage can be adjusted by a screw driver (+20/-10%). A remotesensing circuit compensates for a possible output- voltage loss on the DCline. The 3-pin input socket (IEC320) and the wide input voltage range of 90...264V AC allows flexible world-wide usage. The PS5 series meets relevant EMC and safety standards.

MODEL SELECTION TABLE:

MODEL	AC Input Voltage	Output Voltage	Output Current	Output Voltage	Efficiency typ.	Operating Temperature	Weight
PS5-12V-11A	90-264V	11...14V	10,5A	150W	75%	0...40°C	1,65kg
PS5-24V-05A	90-264V	22...29V	5,2A	150W	78%	0...40°C	1,65kg
PS5-48V-3A	90-264V	43...58V	2,6A	150W	78%	0...40°C	1,65kg
PS5-12V-14A	90-264V	11...14V	13,8A	200W	75%	0...40°C	1,70kg
PS5-24V-7A	90-264V	22...29V	7,0A	200W	78%	0...40°C	1,70kg
PS5-48V-4A	90-264V	43...58V	3.5A	200W	78%	0...40°C	1.70kg
PS5-12V-21A	90-264V	11...14V	21A	300W	75%	0...40°C	1,75kg
PS5-24V-11A	90-264V	22...29V	10,5A	300W	78%	0...40°C	1,75kg
PS5-48V-5A	90-264V	43...58V	5.2A	300W	78%	0...40°C	1.75kg

USER MANUAL

Introduction

With this power supply you have purchased a product which was manufactured and designed according to the state of the art.

The construction conforms to protection class 1 according to VDE 0411. The radio suppression conforms to VDE 0871 curve B. So the product is suited to all european and german guidelines.

In order to maintain this state for a hazard-free operation, these instructions have to be read and followed carefully.

Required operation

Connecting and operating low voltage loads with an operating voltage as specified on the type label is done via the dedicated output sockets.

The unit must only be connected to a mains voltage of 90...264V / 50-60Hz AC via a protection socket.

The unit may only be used in closed rooms, not in the open.

Other usage as described before will cause damage to the product and is connected with danger as, for instance, short-circuit, fire, electric shock etc. It is not allowed to make changes to the unit or to open the case!

It is absolutely necessary to observe all safety instructions!

Operation instructions

Before taking the unit into operation it is necessary to inspect the housing and the mains cable for signs of physical damage. The equipment should also not be connected to the mains if a damage was found.

Equipment which is operated from a mains voltage does not belong into children's hands! Any necessary repair must, for safety reasons, only be carried out by the manufacturer.

The internal fuse may not be replaced by the user.

Mains connection

The unit is connected to the mains via the supplied mains cable with a safety contact mains plug. On the rear there is the mains switch. If this switch is in „On“ position, the red LED on the front is lit and the output voltage is available.

DC output voltage

The output voltage is adjustable by the user within the range of –10% and +20% by means of a plastic screw driver.

The adjustment potentiometer is on the bottom side. The output voltage is galvanically isolated from the mains input. The DC output is not fused, but short-circuit-proof and overload protected.

The load has to be connected to the screw terminals on the front. The terminals are marked with (+) and (–).

Remote Sense

In order to compensate voltage drops over the load cables, the unit is equipped with a remote sense feature. To activate the remote sense, plug in the included sense cable into the socket on the front panel and connect it to the load (+ load to + sense and – load to – sense).

If no remote sense is required just remove the plug and the sense cable and disconnect it from the load. No other wiring is required.

Current Limiting

The unit is equipped with an automatic current limitation, which limits the output current to the rated value and prevents overload.

Cooling

The built-in fan is temperature controlled.

It is important that the air circulation remains unimpeded at all times and that there is at least 5cm distance to any surrounding object!