

## **Operating instruction for switching power supply GP-50xx-vz and GP-60xx-vz**

- The manufacturer who use this power supply, in connection with a device, is responsible that the combination from the power supply and the device is in accordance with DIN VDE 0805 (EN60950, IEC 950), DIN VDE 0750 (EN60601, IEC 60601) as well as the special parts corresponds to the demands entirely.
- The Power Supply is according to protection class I. The protective earth is connected direct to inside of enclosure and the main board. Before use take care that the AC plug and connection to protected earth is connected satisfyingly.
- The ambient temperature of the power supply is 0°C up to max.70°C. The device possesses no active cooling. Please pay attention to the associated Derating showed in **fig.B**.
- Disconnecting from mains by pulling off the mains power cord or the mains plug.
- The leakage current may **not** exceed **0,5 mA (500µA)** according DIN VDE 0750 (IEC 601-1, EN 60601-1) and **3,5 mA** according DIN VDE 0805 (IEC 950, EN 60950).
- **Caution! Double Pole / Neutral Fusing.** F1 / F2 = 3,15A MRT / 250V.
- Please take care that during operation the DC outputs may not be overloaded.
- DC Output voltages and modelno. for all 48 VA and 60 VA power supplies:

<b>Modelno.</b>	GP-5012	GP-5015-20	GP-5015-10	GP-5015	GP-5024-80
<b>Voltage</b>	DC 12 V	DC 13 V	DC 14 V	DC 15 V	DC 16 V
<b>Current</b>	4,0 A	3,7 A	3,4 A	3,3 A	3,0 A

<b>Modelno.</b>	GP-5024-70	GP-5024-60	GP-5024-50	GP-5024-40	GP-5024-30
<b>Voltage</b>	DC 17 V	DC 18 V	DC 19 V	DC 20 V	DC 21 V
<b>Current</b>	2,8 A	2,6 A	2,5 A	2,4 A	2,3 A

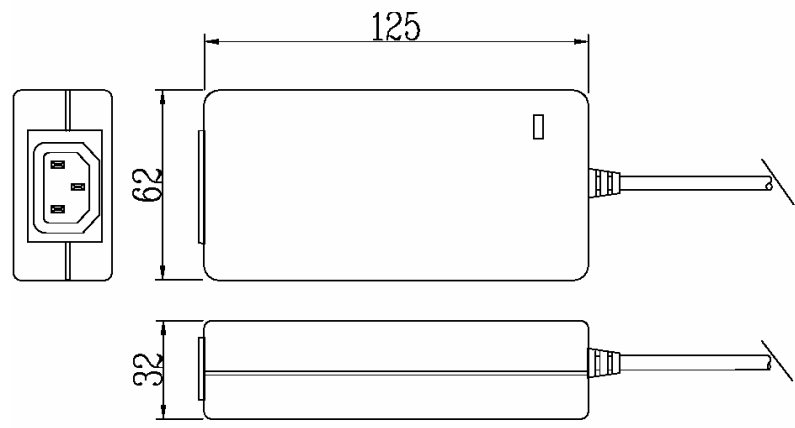
<b>Modelno.</b>	GP-5024-20	GP-5024-10	GP-5024	GP-6030-50	GP-6030-40
<b>Voltage</b>	DC 22 V	DC 23 V	DC 24 V	DC 25 V	DC 26 V
<b>Current</b>	2,2 A	2,1 A	2,0 A	2,4 A	2,3 A

<b>Modelno.</b>	GP-6030-30	GP-6030-20	GP-6030-10	GP-6030	k.A.
<b>Voltage</b>	DC 27 V	DC 28 V	DC 29 V	DC 30 V	
<b>Current</b>	2,2 A	2,1 A	2,0 A	2,0 A	

- The power supply have an AC wide range input and adapt themselves automatically to the respective AC input voltages.
- This Power Supply is for operating with AC 100-240 V / 1,4 A / 47-63 Hz.

- If the Power Supply used in applications according DIN VDE0750 (IEC601-1, EN60601-1), be sure, that the secondary outputs of the units will **not** be used for direct contacts to the patient.
- This unit need **no** maintenance. If damaged do **not** open..
- Defect units send to the address below.
- **GRZELKA** Elektronik GmbH  
Service Abteilung  
An der Wolfskaul 19  
D-41812 Erkelenz  
-- Germany --

- Mechanical dimensions (**fig.A**):



- Temperature Derating (**fig.B**):

