

## LINEAR POWER SUPPLY



# PS5B

12 Volt 5 Amp

### FEATURES:

- Mains Fail Relay Output and Indicator.
- Battery Fail Relay Output and Indicator.
- Very Low Noise.
- Battery Charging.
- Output over voltage protection.
- Metal Cabinet



### DESCRIPTION:

The family of power supplies are low Noise and linear. They incorporate twin output regulators, with separate battery charge controller, allowing the main output to be regulated at 12 volts, while still charging a SLA battery at 13.8 volts, crowbar protection, on board main & battery monitoring and a high efficiency regulation cooling system to ensure trouble free operation. Making this supply idea for powering CCTV with battery backup.

### SPECIFICATIONS:

#### Inputs

Voltage-	230 VAC, +/- 10%
Frequency-	50 Hz
Current-	550 mA
Protection-	5x20mm, 1.6A Fuse.

#### Outputs

Total Power-	83 Watts
Voltage-	12 VDC
Main O/P Current-	5 Amp
Battery-	1 Amp
Hold up time-	20 ms
Ripple-	10 mV P/P
Line Regulation-	<0.3%
Load Regulation-	<1.6%
Protection:	
Current-	5 A Blade fuse on Main and battery outputs.
Voltage-	Crowbar @ 16.5 Volts
Reverse Battery protection Diode.	

Efficiency                      65.5%

#### Isolation

In/Out-	5 KV AC 1 sec
In/Gnd-	5 KV DC

#### Accessories Supplied

- Battery Leads
- Cabinet Screws

#### Temperature

Operating-	0°C to 50°C
Rise Heatsink-	43°C
Rise Transformer-	40°C

#### Mechanical

Gun Metal Powder Coated Steel Cabinet	
Mounting-	4 x 4mm holes
Weight-	4.5 Kg
Dimensions-	286 x 310 x 80mm
Battery Capacity-	2 x 7A/h battery's

#### Connections

Input-	2.5mm <sup>2</sup> Screw term. block
Output-	3.3mm Screw terminal for spade lug.
Battery-	2.5mm Rising Clamp.
Mains fail-	2.5mm Rising Clamp.
Batt fail-	2.5mm Rising Clamp.

#### Indicators

AC Fail-	Green LED
Low Battery-	Green LED

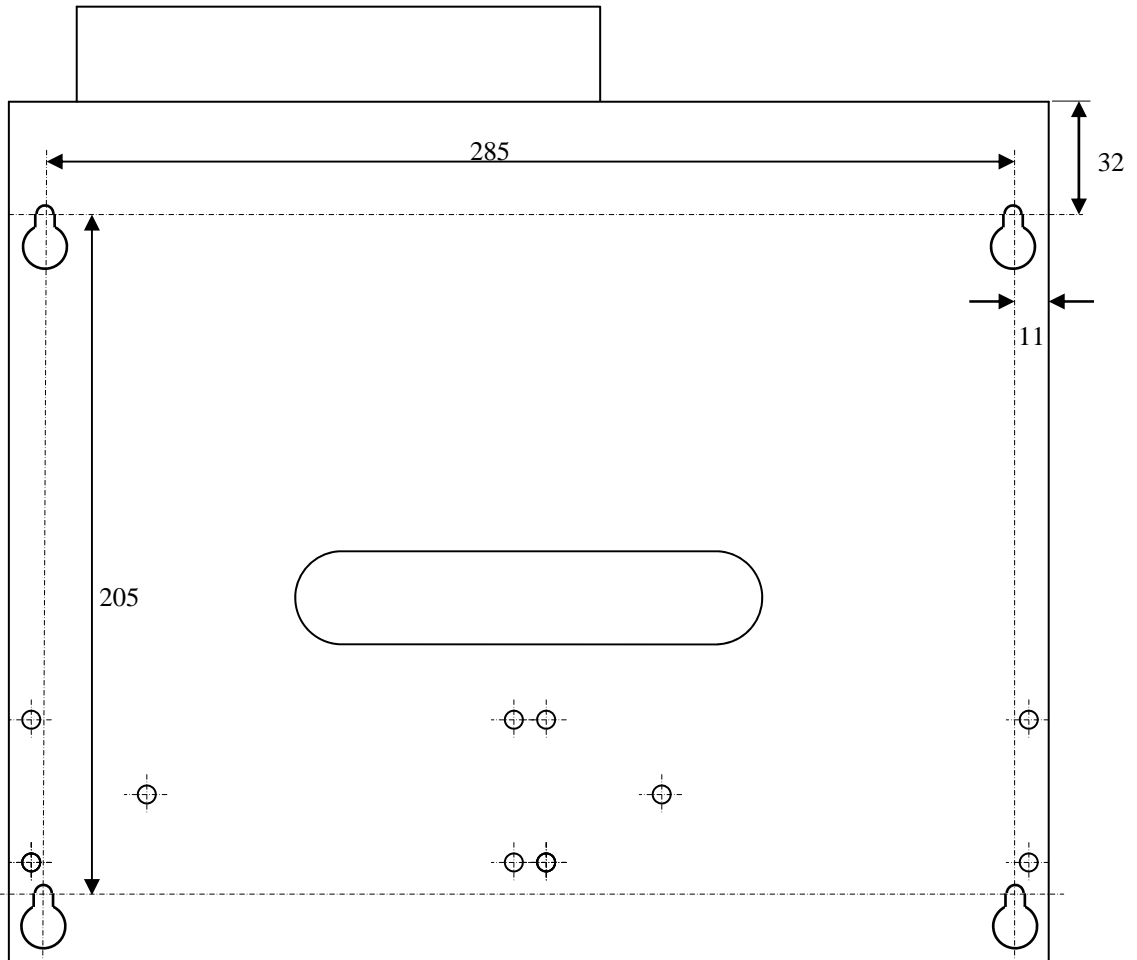
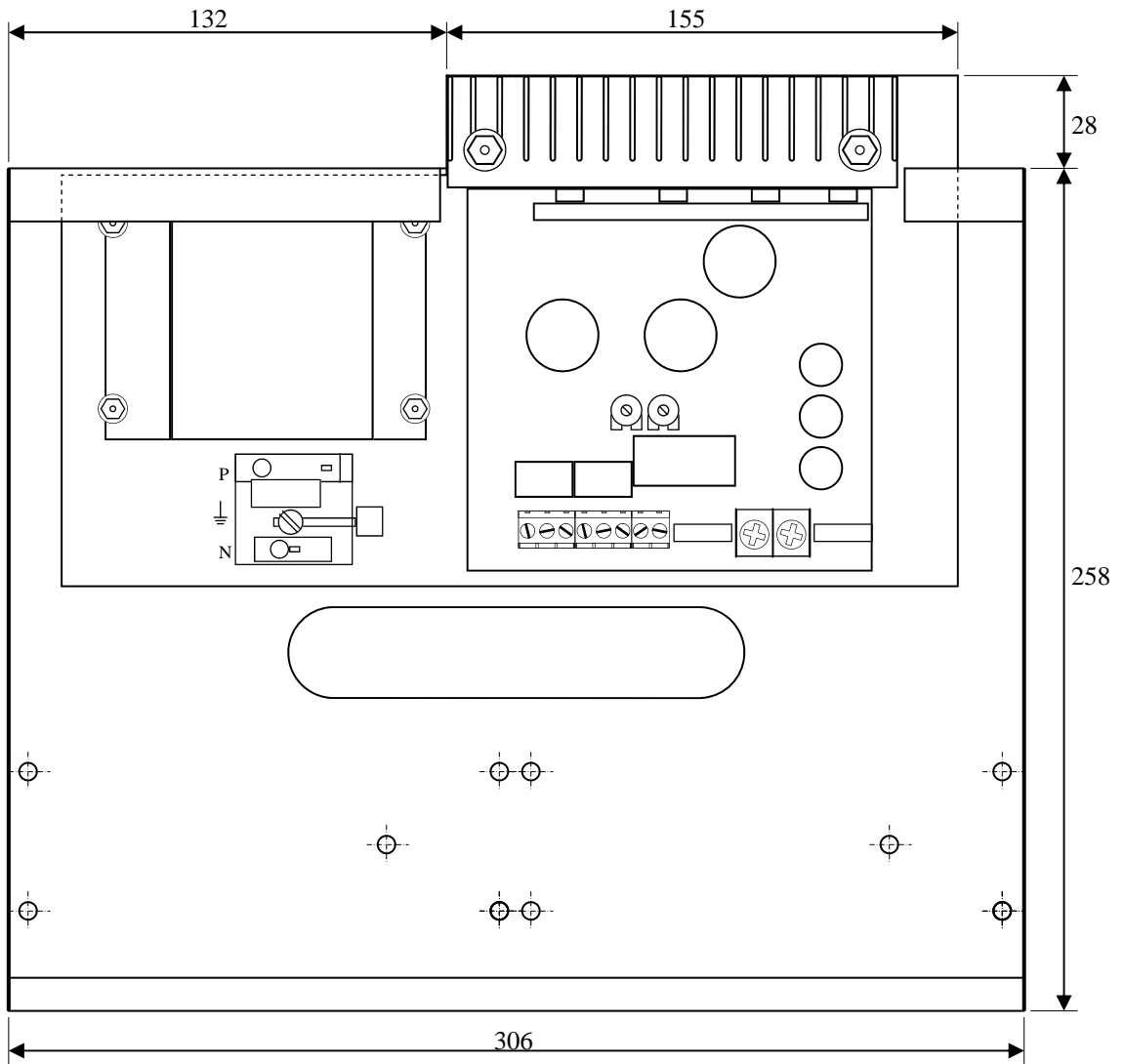
#### Relay Outputs

AC Fail-	Clean 1A relay contacts Com, N/O, N/C
Low Battery-	Clean 1A relay contacts Com, N/O, N/C

#### Upgrades Available

- FUSE BD KIT

# PS5B



# Connections

## PS5 Series

