

POWER SUPPLIES

THE PSU RANGE



Introduction

The PSU range of power supplies provide energy efficient switch mode supplies, in a discrete enclosure with options for output voltage, load and battery capacity. All power supplies have input sensing for the supply voltage, ranging from 100 to 240v AC. Some of the enclosures have tamper protection and externally visual status LED indications. There are two, volt free changeover contacts for remote signalling of status changes. The PSU's have space for interface cards making them an attractive option for Access or Intrusion systems.

Features

- ✓ Input voltage sensing 100-240vAC
- ✓ Local and remote fault indications
- ✓ Protection devices for reverse connection a & overload
- ✓ Separate load & battery charging circuits
- ✓ Comprehensive fault monitoring
- ✓ Deep discharge protection for the batteries
- ✓ Space for option cards
- ✓ Easy to install with numerous options for cable access
- ✓ Fully compliant with RoHS, REACH, LVD, EMC



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Technical Data

	PSU240538	PSU240317	PSU121.007	PSU120417	PSU120217
Electrical					
Input Voltage, 50-60Hz	100-240vAC	100-240vAC	100-240vAC	100-240vAC	100-240vAC
Output Voltage	24v DC	24v DC	12v DC	12v DC	12v DC
Load current	5.0A	3.0A	1.0A	4.0A	2.0A
Battery current	0.5A	0.5A	0.5A	0.5A	0.5A
Max Battery Capacity**	2 x 12v 38Ah	2 x 12v 17Ah	1 x 12v 7Ah*	1 x 12v 17Ah	1 x 12v 17Ah
Protection	Fuses	Fuses	Fuses	Fuses	Fuses
Mechanical					
Dimensions (W x H x D)	425 x 190 x 185mm	383 x 410 x 85mm	335 x 280 x 80mm	335 x 280 x 80mm	335 x 280 x 80mm
Gross Weight***	8.67Kg	5.15Kg	3.56Kg	3.43Kg	3.28Kg
Nett weight***	8.15Kg	4.8Kg	3.06Kg	3.27Kg	3.12Kg
Material	1.2mm mild steel	1.2mm mild steel	1.2mm mild steel	1.2mm mild steel	1.2mm mild steel
Finish (RAL9003)	White, powder coated	White, powder coated	White, powder coated	White, powder coated	White, powder coated
IP rating – door only	30	30	30	30	30
IK rating	08	08	08	08	08
Space for option cards	Yes	Yes	Yes	Yes	Yes
Indications					
External Power & Fault LED's	External	External	Internal	External	External
Signals					
Tamper	None	None	Lid open	Lid open & removal	None
Fault relay EPS	Mains fail	Mains fail	Mains fail	Mains fail	Mains fail
Fault relay Gen	General Fault	General Fault	General Fault	General Fault	General Fault
Environmental					
Operating temperature	10 to +40C, 75% RH	10 to +40C, 75% RH	10 to +40C, 75% RH	-10 to +40C, 95% RH	-10 to +40C, 95% RH
Storage temperature	-20 to +80C	-20 to +80C	-20 to +80C	-20 to +80C	-20 to +80C
Installation	Internal	Internal	Internal	Internal	Internal
Approvals					
PD6662:2017 G2	No	No	Yes	No	No
EN50131-6:2017 G2 Class II	No	No	Yes	No	No
Ordering Information					
Article Number	N54545-Z161-A100	N54545-Z162-A100	N54545-Z163-A100	N54545-Z164-A100	N54545-Z165-A100

Accessories

PS1270 Battery 12v/7.0Ah flame retardant battery	N54545-Z156-A100
PS1270 Battery 12v/17.0Ah flame retardant battery	N54545-Z158-A100
PS12380 Battery 12v/38.0Ah flame retardant battery	N54545-Z158-A100

Notes *Must be 12v 7Ah to maintain compliance ** Batteries not supplied ***Excluding batteries

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