

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



VANDERBILT

DOC ID: I-200392 Edition
date: 20-04-2021

POWER SUPPLIES

THE PSU RANGE

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 425 x 185mm | 410 x 383 x 85mm | 180 x 335 x 80mm | 180 x 335 x 80mm | 180 x 335 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

VANDERBILT

DOC ID: I-200392 Edition
date: 20-04-2021