

Power Supply Products

6V, 12V and 24V Sealed Lead Acid Battery Chargers



Model 7798 and 7969 - Sealed Lead Acid Battery Chargers

The Devlin Power range of 6V, 12V and 24V sealed lead acid battery chargers are high quality and high reliability linear chargers. They are designed for use in either standby or cyclic modes, and can also be used to charge cyclon batteries. Both models can be used as part of a standby supply, used to float charge a battery from which the load current is taken. In normal operation the battery is kept fully charged ready to supply the load in the event of mains failure.

The output is voltage regulated and current limited to prevent overcharging of batteries (when used correctly). The output is also reverse polarity and short circuit protected, and has a low discharge current when the mains supply is off. Provision is made for external LEDs (not supplied) to show the battery status - charging or charged.

Mounting/Installation Details

Both models are designed for equipment mounting using integral hank bushes (4 x M4). Fixing screws must not penetrate more than 5mm into the enclosure. Further details are outlined in the technical specification below and on the dimension drawings overleaf.



Caution: Surface may be hot

NOTES

- 1/ These units are designed to be mounted with the heatsink fins vertical. Ventilation should not be obstructed
- 2/ Incorrect terminal connections can cause permanent damage
- 3/ Equipment must be earthed
- 4/ Input must be fused with a 2A (T) fuse conforming to: EN60127
- 5/ Output leads should be as short as possible and not exceed 1 meter as the voltage drop will effect the charging of the battery

Technical Specification:

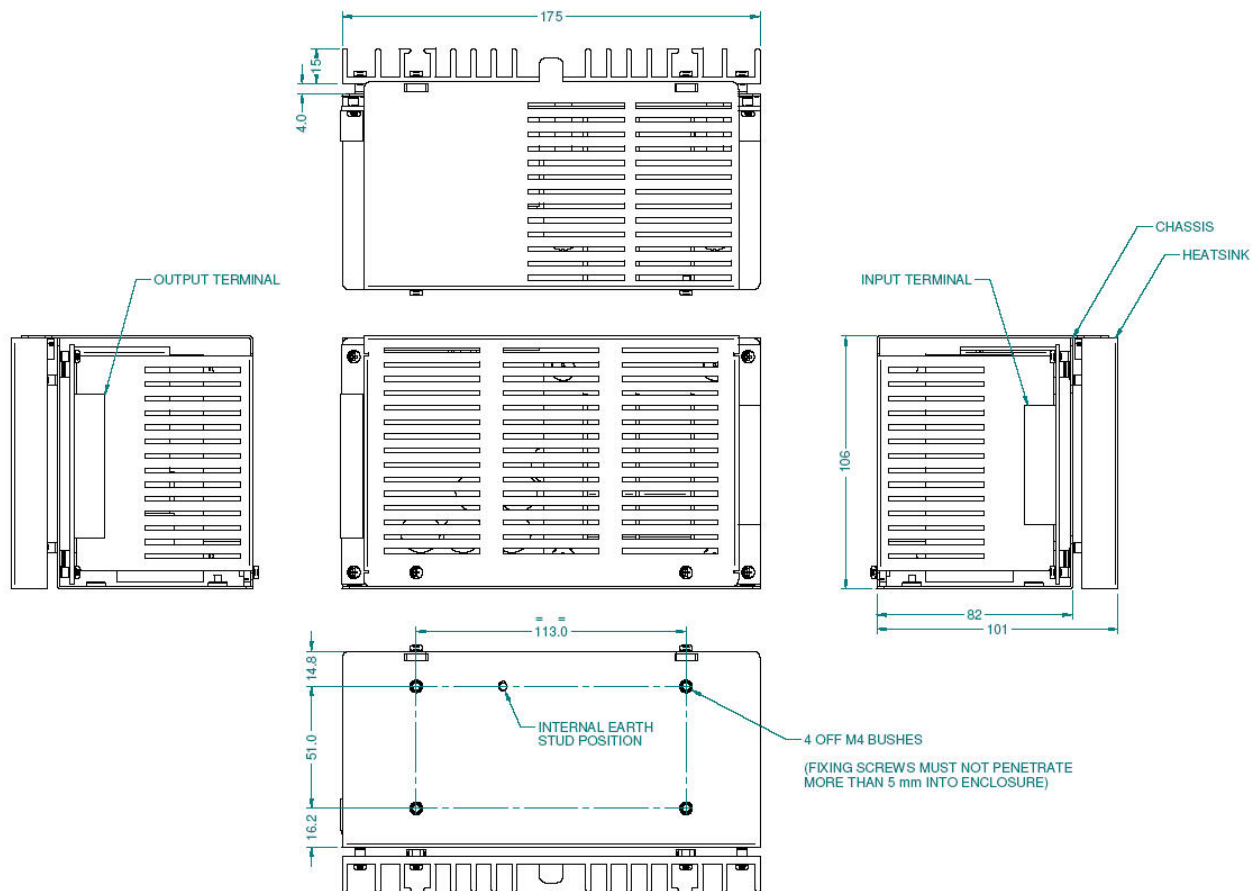
| | | Model No. 7798 | Model No. 7969 |
|---------------------------|------------------|--------------------------|--------------------------|
| Input Voltage | | 115V ± 10% 230V ± 10% | 115V ± 10% 230V ± 10% |
| Input Frequency | | 50/60 Hz | 50/60 Hz |
| Input Power Rating | | 250W | 250W |
| Input Current | | 1A | 1A |
| Temperature Rating | | 0-40°C | 0-40°C |
| Output Voltage | Lead Acid | 6.90V / 13.8V | 27.6V |
| | Cyclon | 7.05V / 14.1V | 28.2V |
| Output Current | | 4A Max | 2.5A Max |
| LED Outputs | | 2V d.c. @ 10mA (typical) | 2V d.c. @ 10mA (typical) |
| Discharge Current | | < 5mA | < 5mA |
| Safety | | EN61010-1 (EN60950) | EN61010-1 (EN60950) |
| EMC | | EN50121-4 (EN61204-3) | EN50121-4 (EN61204-3) |
| Dimensions | | 175x101x105mm (LxWxH) | 175x101x105mm (LxWxH) |
| Fixings | Base | 113x51mmxM4 | 113x51mmxM4 |
| Weight | | 3.1KG | 3.1KG |



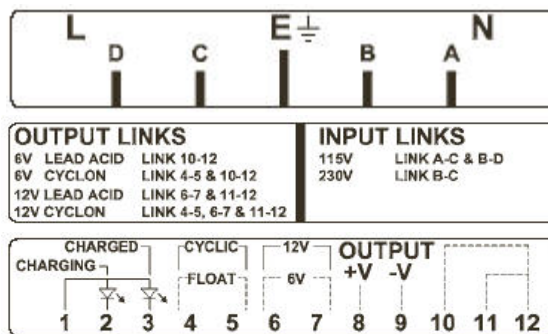
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Model No. 7798 / 7969 Dimensions:



Model No. 7798 Connections:



Model No. 7969 Connections:

