LOGIChome
PowerConverter-Light-ZH-BAT

Part number: 10.000132
Product Rev4
Document Rev1
Table of Contents

1 FEATURES ........................................................................................................................................3
2 SAFETY ...........................................................................................................................................3
3 TYPE AND DIMENSIONS ..............................................................................................................5
4 TECHNICAL DATA ..........................................................................................................................5
4.1 PIN ASSIGNMENT .......................................................................................................................6
5 PRODUCT LABEL AND SAFETY LABEL .......................................................................................7
5.1 ORDER CODE .............................................................................................................................7
6 STANDARDS .......................................................................................................................................8
7 FINAL DISPOSAL .............................................................................................................................8
8 MANUFACTURER INFORMATION .................................................................................................9

<table>
<thead>
<tr>
<th>Revision</th>
<th>Change log</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev0_0</td>
<td>Initial Revision</td>
<td>12.08.2013</td>
</tr>
<tr>
<td>Rev1_0</td>
<td>ESD improvement, PCB Version J and H are allowed</td>
<td>28.05.2014</td>
</tr>
<tr>
<td>Rev2_0</td>
<td>PCB Version C is allowed</td>
<td>07.08.2014</td>
</tr>
<tr>
<td>Rev3_0</td>
<td>Change to DOE standard (standby power &lt; 210mW, Efficiency above 88%), Efficiency level VI; Change label to laser printed Changed Cut off current from 7-10A to 7 ≤ Iout[A] ≤ 12</td>
<td>16.10.2015</td>
</tr>
<tr>
<td>Rev3_1</td>
<td>Updated Type plate (added KC Certificate) Added monthly test Efficiency level Added description add ESD requirements Added UL1310 as required standard Added Efficiency level VI as required efficiency level</td>
<td>27.01.2016</td>
</tr>
<tr>
<td>Rev4_0</td>
<td>Updated Type plate (removed duty cycle)</td>
<td>10.10.2017</td>
</tr>
<tr>
<td>Rev4_1</td>
<td>Added tracibility number, aligned technical data</td>
<td>17.01.2018</td>
</tr>
</tbody>
</table>

Copyright
This original documentation is protected by copyright. All rights, especially the right of reproduction and distribution as well as translation, are reserved. No part of this manual may be reproduced by any mechanical, electronic or other means, in any form, without prior written permission of LOGICDATA Electronic & Software Entwicklungs GmbH. All violations involving copyright may result in legal action.

2016 LOGICDATA Electronic & Software Entwicklungs GmbH
1 Features

- Power supply unit offers a wide range of input from 100 - 240 VAC
- 2.0 Ampere continuous, 29 VDC Power output
- Status LED
- Short circuit, over temperature and overcurrent protection
- System requires 2 x 9 V batteries for emergency lowering

2 Safety

⚠️ DANGER Do not open the unit. This may cause a potential danger of electrical shocks. Service tasks may only be carried out by qualified and approved personnel. Contact LOGICDATA or customer support.

⚠️ DANGER The unit may only be operated with the voltage noted on the product label. Otherwise electrical dangers may arise.

⚠️ DANGER Never place the connection cable and parts of the unit into liquids. Keep the connection cable away from heated surfaces or direct sunlight. If the unit is exposed to liquid, do not continue to use it. Liquid may have entered the unit. This is a potential fire hazard!

⚠️ DANGER Do not operate the unit in a potentially explosive atmosphere.

⚠️ WARNING The device may be used by children older than 8 years as well as persons with physical, mental or sensorial abilities or lack of experience or knowledge, if they are supervised or have been informed about the safe operation of the device and understand the dangers resulting from it. Nevertheless, children must not play with the device.

⚠️ WARNING The unit must not be altered or modified.

⚠️ WARNING Do not use the unit in humid environments.

⚠️ WARNING Operate the unit only after proper and complete assembly and installation. During unit operation, do not allow objects to restrict mechanical functions of operations.
⚠️ CAUTION  The unit is not designed for continuous operation. Over-Heating may occur.

⚠️ CAUTION  The unit may only be cleaned with a dry or lightly dampened cloth. The unit must not be plugged in electrically while cleaning.

⚠️ NOTICE  The product is only suitable for LOGICDATA systems. Do not use any Non-LOGICDATA approved components, this may lead to damage or destruction of the device!

⚠️ CAUTION  Do not expose the device to any liquids or humidity in order to avoid fire hazard or electric shocks.

⚠️ CAUTION  If the device is not used for a long period of time, we recommend the unit not to be plugged in electricity.

⚠️ CAUTION  If smells or fumes emit from the device, immediately disconnect it electrically and contact LOGICDATA or customer support.

⚠️ NOTICE  It is not allowed to connect to this unit any products which are not recommended by LOGIDATA.

⚠️ NOTICE  In case electrical wires are damaged, the items must be replaced by LOGICDATA or customer support. Do not use any items with damaged wires.

⚠️ NOTICE  The unit may be damaged due to electrostatic discharge (ESD). Ensure that only materials which not allow electrostatic charge are used for the final product. LOGICDATA does not assume any warranty in case of damages as associated with ESD.

⚠️ NOTICE  The manufacturer is not responsible for any electromagnetic interference (EMI) caused by unauthorized modifications to this equipment. Such modifications void the user to operate the equipment.

⚠️ DANGER  Do not operate in direct sunlight.
3 Type and Dimensions

Figure 1: Tolerances according to DIN ISO 2768-1

4 Technical Data

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>100 - 240 VAC from 47 Hz to 63 Hz</td>
</tr>
<tr>
<td>Power output</td>
<td>29 VDC / 2.0 A</td>
</tr>
<tr>
<td>Battery output</td>
<td>18 VDC</td>
</tr>
<tr>
<td>Standby Input power</td>
<td>&lt; 0.21 W</td>
</tr>
<tr>
<td>Cut Off current</td>
<td>&gt; 7 A</td>
</tr>
<tr>
<td>Weight (excl. emergency batteries)</td>
<td>0.838 pounds (380 g)</td>
</tr>
<tr>
<td>Power cord (max. length)</td>
<td>78.74” ± 1.97” (2000 mm ± 50 mm)</td>
</tr>
<tr>
<td>Connection cable (length)</td>
<td>39.37” ± 1.57” (1000 mm ± 40 mm)</td>
</tr>
<tr>
<td>Emergency batteries (recommended)</td>
<td>2 x 9 V, Alkaline, 6LF22</td>
</tr>
<tr>
<td>Ambient temperature during operation</td>
<td>+5 to +30 °C</td>
</tr>
<tr>
<td>Air humidity during operation</td>
<td>10 to 85%, non-condensing, max. dew point at +27°C</td>
</tr>
<tr>
<td>Ambient temperature during storage and transport</td>
<td>-20°C to +70 °C</td>
</tr>
<tr>
<td>Air humidity during storage and transport</td>
<td>5 to 90%, non-condensing, max. dew point at +38°C</td>
</tr>
<tr>
<td>Dimensions (L x B x H)</td>
<td>8.46” x 2.4” x 1.5” (215 mm x 61 mm x 38 mm)</td>
</tr>
<tr>
<td>Type of input connector (AC)</td>
<td>IEC-60320-C8</td>
</tr>
<tr>
<td>Cable (connector)</td>
<td>Nylon 66 UL94V-0</td>
</tr>
<tr>
<td>Cable material (wire and overmold)</td>
<td>PVC</td>
</tr>
<tr>
<td>Housing material</td>
<td>PC / ABS</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP20</td>
</tr>
<tr>
<td>Flammability class</td>
<td>UL94V-0</td>
</tr>
</tbody>
</table>

Table 1: Technical Data
4.1 Pin Assignment

![Diagram showing pin assignment](image)

Figure 2: Pin Assignment
5 Product label and safety label

The following figure shows the product and safety label.

![Product label and safety label](image)

Figure 3: Product label and safety label

5.1 Order Code

PowerConverter-Light-ZH-BAT

5.2 Tracibility number

![Tracibility number](image)

Figure 4: Tracibility number

The tracibility number contains:

- SO = Sales Order
- YYYY = year of production
- XXXX = automatic generated number
6 Standards

The power supply complies with following international standards:

<table>
<thead>
<tr>
<th>Standard/Law</th>
<th>Description</th>
<th>Year/Version/Edition</th>
<th>Report Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE marking</td>
<td>Conformité Européenne marking of the European Economic Area (EEA)</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td>UL1310-1</td>
<td>Standard for Class 2 Power Units</td>
<td>Edition 6, 08/26/2011</td>
<td>E330230</td>
</tr>
<tr>
<td>EN60950</td>
<td>Safety of Information Technology Equipment Including Electrical Business Equipment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 2: Standards

7 Final Disposal

---

**NOTICE**

Dispose product and parts according to local environment recommendations.

---

The product contains electrical and electronical components, which must be disposed according to the WEEE directive 2012/19/EU. These components are marked with the symbol on the left.

---

Principle

Be aware of the raw materials which are used in the manufacture of the unit. Check for proper disposal of materials and components. Recycle as much as possible. Careless or improper disposal may cause unpredictable damages. Take care of us, our offspring, nature, environment and economy. Dispose materials and component parts in a way that the disposal is verifiably agreeable for humans, nature and environment. Adhere to the instructions of the manufacturers and the according laws and regulations.
8 Manufacturer Information

LOGICDATA North America, Inc.
1525 Gezon Parkway SW, Suite C
Grand Rapids, MI 49509
USA
Tel: +1-616-328-8841
E-mail: office.na@logicdata.net
http://www.logicdata.net

LOGICDATA
Electronic & Software Entwicklungs GmbH
Wirtschaftspark 18
8530 Deutschlandsberg - Austria
Tel: +43 (0) 3462 51 98 0
Fax: +43 (0) 3462 51 98 530
E-mail: office.at@logicdata.net
http://www.logicdata.net