



# GETCAMERAS

## DATASHEET ACC-PS-48V-60W-SET-V1

48V Primary-switched power supply unit.



### Highlights

- 48V DC Output Voltage
- 1.25 Amps
- 60 Watts
- Single phase AC Input
- Input Voltage Range: 85 ... 264 V AC

### Introduction

The ACC-PS-48V-60W-SET-V1 impresses in worldwide use thanks to maximum energy efficiency. Low no-load losses and the high degree of efficiency save energy. Thanks to its high power density, the UNO POWER power supply unit is the ideal solution, particularly in compact control boxes.

## Technical Specifications

Input Power	<ul style="list-style-type: none"> <li>Nominal input voltage <ul style="list-style-type: none"> <li>100 V AC ... 240 V AC</li> </ul> </li> <li>Input voltage range <ul style="list-style-type: none"> <li>85 V AC ... 264 V AC</li> </ul> </li> <li>AC frequency range <ul style="list-style-type: none"> <li>45 Hz ... 65 Hz</li> </ul> </li> <li>Current consumption <ul style="list-style-type: none"> <li>1 A (120 V AC)</li> <li>0.6 A (230 V AC)</li> </ul> </li> <li>Inrush current limitation <ul style="list-style-type: none"> <li>&lt; 30 A (typical)</li> </ul> </li> <li><math>I^2t</math> <ul style="list-style-type: none"> <li>&lt; 0.5 A<sup>2</sup>s</li> </ul> </li> <li>Typical response time <ul style="list-style-type: none"> <li>&lt; 1 s</li> </ul> </li> <li>Power failure bypass <ul style="list-style-type: none"> <li>&gt; 20 ms (120 V AC)</li> <li>&gt; 90 ms (230 V AC)</li> </ul> </li> <li>Protective circuit <ul style="list-style-type: none"> <li>Transient surge protection Varistor</li> </ul> </li> <li>Input fuse, integrated <ul style="list-style-type: none"> <li>2 A (slow-blow, internal)</li> </ul> </li> <li>Choice of suitable fuses <ul style="list-style-type: none"> <li>6 A ... 16 A (Characteristics B, C, D, K)</li> </ul> </li> </ul>
Output Power	<ul style="list-style-type: none"> <li>Nominal output voltage <ul style="list-style-type: none"> <li>48 V DC <math>\pm 1\%</math></li> </ul> </li> <li>Output current <ul style="list-style-type: none"> <li>1.25 A (-25°C ... 55°C)</li> </ul> </li> <li>Derating <ul style="list-style-type: none"> <li>55 °C ... 70 °C (2.5%/K)</li> </ul> </li> <li>Control deviation <ul style="list-style-type: none"> <li>&lt; 1 % (change in load, static 10 % ... 90 %)</li> <li>&lt; 2 % (Dynamic load change 10 % ... 90 %, 10 Hz)</li> <li>&lt; 0.1 % (change in input voltage <math>\pm 10\%</math>)</li> </ul> </li> <li>Ascent time <ul style="list-style-type: none"> <li>&lt; 0.5 s (UOUT (10 % ... 90 %))</li> </ul> </li> <li>Residual ripple <ul style="list-style-type: none"> <li>&lt; 35 mVPP (with nominal values)</li> </ul> </li> <li>Connection in parallel with redundancy module</li> <li>Connection in series</li> <li>Protection against surge voltage on the output <ul style="list-style-type: none"> <li><math>\leq 60</math> V DC</li> </ul> </li> <li>Resistance to reverse feed <ul style="list-style-type: none"> <li>&lt; 60 V DC</li> </ul> </li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>Efficiency <ul style="list-style-type: none"> <li>&gt; 90 % (for 230 V AC and nominal values)</li> </ul> </li> <li>Maximum power dissipation NO-Load <ul style="list-style-type: none"> <li>&lt; 0.4 W</li> </ul> </li> <li>Power loss nominal load max. <ul style="list-style-type: none"> <li>&lt; 7 W</li> </ul> </li> </ul>
MTBF	<ul style="list-style-type: none"> <li>1138000h (EN 29500)</li> </ul>
Housing	<ul style="list-style-type: none"> <li>Polycarbonate</li> </ul>

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substituted for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation, and testing of the products with respect to the relevant specific application or use thereof. Neither GeT Cameras nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein or incorrect information in this document.

Dimensions	<ul style="list-style-type: none"> <li>• 35 x 90 x 84 mm</li> <li>• 210g</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• EN 60204-1</li> <li>• IEC 60950-1/VDE 0805 (SELV)</li> <li>• EN 50178/VDE 0160 (PELV)</li> <li>• EN 60204 (PELV)</li> <li>• DIN VDE 0100-410</li> <li>• DIN 57100-410</li> <li>• EN 61000-3-2</li> <li>• EN 61000-4-11</li> <li>• CB Scheme</li> </ul>
Noise	<ul style="list-style-type: none"> <li>• Noise Immunity according to EN 61000-6-2</li> </ul>

## Mechanical drawing



