The FPP-5000 External Power Supply Unit Kit is designed for universal power supply, and has space for two 12 V/45 Ah batteries. This is configured using components of the Modular Fire Panel FPA-5000.

### System overview

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power Supply Housing, Frame Installation, medium PMF 0002 A</td>
</tr>
<tr>
<td>2</td>
<td>Mount for 1 Panel Rail Short PRS 0002 A to hold 1 Battery Controller Module BCM-0000-B</td>
</tr>
<tr>
<td>3</td>
<td>Power Supply Bracket for 1 UPS 2416 A Universal Power Supply 24 V/6 A</td>
</tr>
<tr>
<td>4</td>
<td>Space for 2 batteries 12 V/45 Ah</td>
</tr>
</tbody>
</table>

The Power Supply Housing is positioned on a Mounting Frame Medium FMH 0000 A (not shown).

### Functions

In the case of the FPP-5000 Power Supply Unit, the Panel Rail made of glass fiber reinforced plastic is fitted a BCM-0000-B Battery Controller Module. The Power Supply Unit is inserted into the Power Supply Bracket, and is immediately operational via the pre-wired plug-and-socket connections.

The bracket is equipped with a thermal sensor. The Universal Power Supply UPS 2416 A is protected against excess voltage and reversed polarity. The output voltage is monitored and controlled externally. The output FAULT signals that a malfunction has occurred. The green onboard LED shows that the unit is operational.

The BCM-0000-B Battery Controller Module monitors the power supply and controls the charging of the batteries (2 x 12 V / 45 Ah), subject to temperature parameters and set times.
Each voltage output is electronically fused.

**Certifications and approvals**

Complies with:
- EN 54-17:2005

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>VdS G 205050 FPP-5000</td>
</tr>
<tr>
<td>Europe</td>
<td>CE FPP-5000</td>
</tr>
<tr>
<td></td>
<td>CPD 0786-CPR-20357 FPP-5000</td>
</tr>
</tbody>
</table>

**Installation/configuration notes**

**Installation dimensions**

<table>
<thead>
<tr>
<th>PMF 0002 A Power Supply Housing Frame Installation medium, with Power Supply Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMH 0000 A Mounting Frame Medium</td>
</tr>
<tr>
<td>UPS 2416 A Universal Power Supply 24 V/6 A</td>
</tr>
<tr>
<td>PRS 0002 A Panel Rail Short</td>
</tr>
<tr>
<td>BCM-0000-B Battery Controller Module</td>
</tr>
<tr>
<td>CPB 0000 A Cable Set BCM/UPS</td>
</tr>
<tr>
<td>CBB 0000 A Cable Set BCM/Battery</td>
</tr>
<tr>
<td>Battery pole connection cable for Frame Installation Housing</td>
</tr>
<tr>
<td>Supplementary package</td>
</tr>
</tbody>
</table>

**Technical specifications**

**Electrical**

- Input voltage range: 100 V AC to 240 V AC
- Input frequency range: 50 Hz to 60 Hz
- Efficiency: 85%
- Bridging time: > 100 ms at 230 V AC
- Mains supply: 26 to 29 V DC (dependent on temp.)
- Mains supply nominal: 26.8 V DC (at 40 °C)
- Battery supply: 21 to 23 V DC
- Max. output current: 6 A
- Max. output: 160 W (permanent)
- Capacity of the fault outputs BAT FAULT, AC FAULT, and collective fault: 0 V / 0 to 20 mA
- Voltage outputs: +24 V / 2.8 A (20.4-30 V), battery buffered

**Mechanics**

- Housing material: Sheet steel, painted
- Housing color: Slate gray, RAL 7015
- Front: anthracite gray, RAL 7016
- Dimensions (installed): Approx. 527 x 456 x 236 mm

**Environmental Considerations**

- Classes of equipment as per EN 60950: Class I equipment
- Permissible operating temperature: -5 °C to 50 °C
- Permissible storage temperature: -20 °C to 60 °C
- Relative humidity: Max. 95% non-condensing
- Degree of protection (IEC 60529): IP 30
- Cooling: Ventilation without ventilator
Ordering information

**FPP 5000 External power supply kit**
For universal power supply
Order number **FPP 5000**

**Accessories**

**FPP-5000-TI13 Communication interface**
Use with External Power Supply Unit Kit as communication interface between kit and panel (FPA-5000/FPA-1200 EN54-13).
Order number **FPP-5000-TI13**

**FPP-5000-TI Trouble interface**
Use with FPP-5000 External Power Supply Unit Kit 24 V/6 A.
Order number **FPP-5000-TI**