

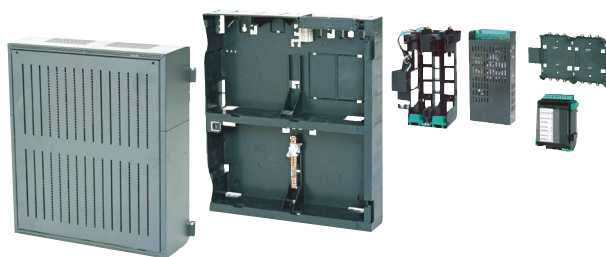
# FPP 5000 External power supply kit

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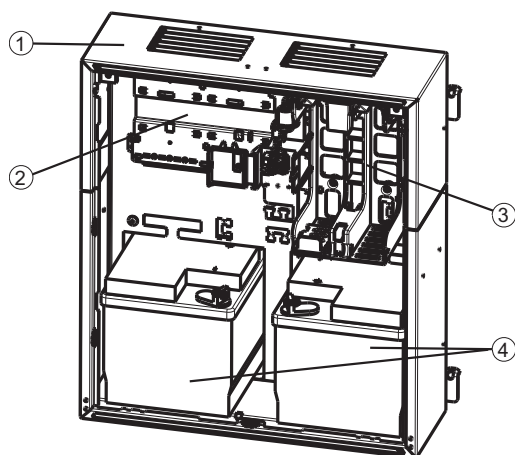
Invented for life



- ▶ Charging process controlled by temperature and time
- ▶ Voltage outputs each electronically fused
- ▶ Can hold two batteries

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



| Pos. | Description                                                 |
|------|-------------------------------------------------------------|
| 1    | Power Supply Housing, Frame Installation, medium PMF 0002 A |

- 2 Mount for 1 Panel Rail Short PRS 0002 A to hold 1 Battery Controller Module BCM-0000-B
  - 3 Power Supply Bracket for 1 UPS 2416 A Universal Power Supply 24 V/6 A
  - 4 Space for 2 batteries 12 V/45 Ah
- 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

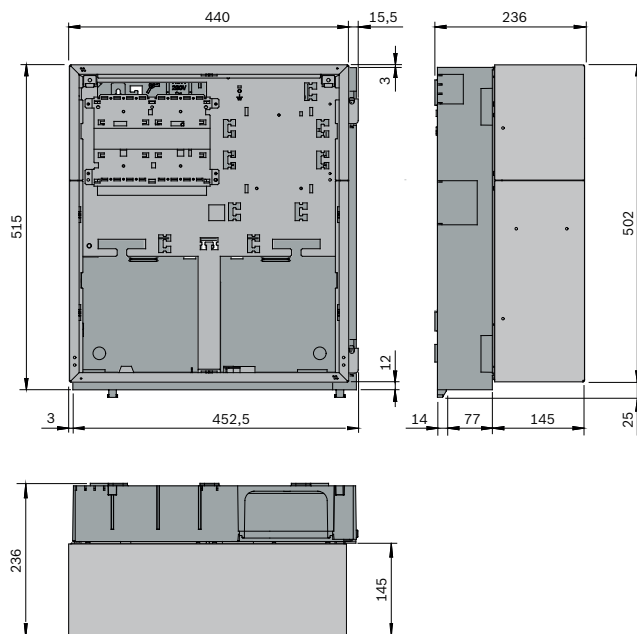
Complies with:

- EN 54-4:1997/A1:2002
- EN 54-17:2005

| Region  | Regulatory compliance/quality marks |                         |
|---------|-------------------------------------|-------------------------|
| Germany | VdS                                 | G 205050 FPP-5000       |
| Europe  | CE                                  | FPP-5000                |
|         | CPD                                 | 0786-CPR-20357 FPP-5000 |

### Installation/configuration notes

#### Installation dimensions



### Parts included

| Quantity | Component                                                                            |
|----------|--------------------------------------------------------------------------------------|
| 1        | PMF 0002 A Power Supply Housing Frame Installation medium, with Power Supply Bracket |
| 1        | FMH 0000 A Mounting Frame Medium                                                     |
| 1        | UPS 2416 A Universal Power Supply 24 V/6 A                                           |
| 1        | PRS 0002 A Panel Rail Short                                                          |
| 1        | BCM-0000-B Battery Controller Module                                                 |
| 1        | CPB 0000 A Cable Set BCM/UPS                                                         |
| 1        | CBB 0000 A Cable Set BCM/Battery                                                     |
| 1        | Battery pole connection cable for Frame Installation Housing                         |
| 1        | Supplementary package                                                                |



#### Notice

Optional: Earth Bar FPO-5000-EB

### 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                        |
| Output voltage                                                          |                                             |
| • 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                                                         |                                             |
| • 2 switch outputs                                                      | +24 V / 2.8 A (20.4-30 V), battery buffered |

#### Mechanics

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Housing material       | Sheet steel, painted                                     |
| Housing color          | Slate gray, RAL 7015<br>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**

#### Represented by:

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