# FPP-5000 External Power Supply Unit Kit 24 V/6 A

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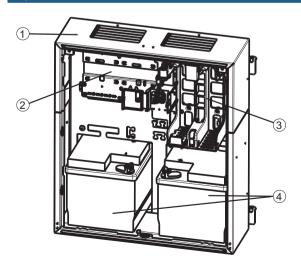




- Charging process controlled by temperature and time
- ▶ Voltage outputs each electronically fused
- Can hold two batteries

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 batteries12 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 prewired 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**

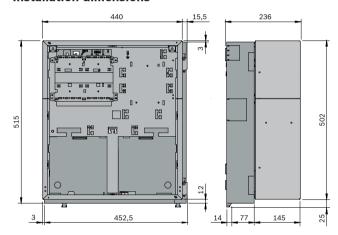
#### Complies with:

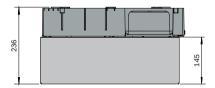
- EN 54-4:1997/A1:2002
- EN 54-17:2005

Region	Certification	
Europe	CE	FPP-5000
Germany	VdS	G 205050 FPP-5000
Europe	CPD	0786-CPD-20357 FPP-5000

#### **Installation/Configuration Notes**

#### Installation dimensions





### Parts Included

Amount	Components
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

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#### 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	$+24\mathrm{V}/2.8\mathrm{A}$ (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 tempera- ture	-20 °C to 60 °C
Relative humidity	Max. 95% non-condensing
Cooling	Ventilation without ventilator

#### **Ordering Information**

#### FPP-5000 External Power Supply Unit Kit 24 V/6 A

for universal power supply Order number FPP 5000

#### **Accessories**

#### FPP-5000-TI13 LSN Communication Interface for FPP-5000

Use with External Power Supply Unit Kit as communications interface between kit and panel Order number FPP-5000-TI13

#### FPP-5000-TI Trouble Interface for FPP-5000

usable for FPP-5000 External Power Supply Unit Kit 24 V/6 A

Order number FPP-5000-TI

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