

Specification Sheet

Document Ref: C1293Cv2

Power Supply Pulsed Battery Charger



The Frontline 707 provides and maintains a DC supply to the gas detection system, no other supply should be connected to the system.

Technical Specifications**Mains Input**

100-230Vac (terminals J2)

Output27V Nominal (26~31.5Vdc adjustable) *Caution: gas alarm systems should operate on this single supply only.***Rated Current**

0~11.7A (316W)

Frequency Range

47~63 Hz

Standard Internal Battery

24Vdc 4Ah - others available (terminals B+J5 / B-J6)

Protection

Short circuit, overload, over voltage, over temperature (shutdown and automatic recovery)

Ripple and Noise

(max.) 200mVp-p

Operating Temperature

-15°C to +50°C

Battery Charging LED

Flashes to show when the battery is charging. The duration of the flashes changes according to how close the battery voltage is to its float value and will be dim and infrequent when fully charged

Charge Fail LED

Shows that battery charging has failed which may be because mains has also failed but could be because the battery has failed or is disconnected

Mains Fail LED

Indicates mains power has been lost

Mains On LED

Is on when mains power is detected

Test LED

(interior) indicates the version of software at power up with flashes and thereafter shows which of 6 possible states the charger is operating in

Charge Fail Relay

SPCO rated @ 1A-115Vac – Connection via terminal J1

Mains Fail Relay

Normally energised SPCO rated @ 1A-230Vac – Connection via terminal J8

Material

Mild steel 1.2mm

Finish

Powder coat - texture

Colour

BS00A01 Ash Grey

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Technical Specifications

Dimensions

W314 x H264 x D116mm

Cable Entry

20mm knock-out entry top/bottom/rear

IP Rating

IP52

Mounting

264x237mm Footprint with 4 M5 Holes

Weight

4.9Kg, 8.0Kg (with batteries)

Technical Diagrams

State	Test LED Consecutive Flashes	Description
1	☼	Battery Low
2	☼ ☼	Battery Charging
3	☼ ☼ ☼	Measuring Battery Condition
4	☼ ☼ ☼ ☼	Battery Fail
5	☼ ☼ ☼ ☼ ☼	Battery Voltage Too High
6	☼ ☼ ☼ ☼ ☼ ☼	Battery Discharging

