



## Overview

GE's Smart Rack Power Supply Unit is now IFS. The IFS Smart Rack Power Supply Unit (PSU) is designed to fit into the IFS Smart Rack card cage as an integrated power source and can easily handle the current load of a fully populated card cage. The PSU can be used with 110 – 240VAC, 60/50hz power and provides a 12VDC output to the Smart Rack backplane.

### High Fault-tolerant Redundancy

For mission-critical applications, a second PSU can be installed into the IFS Smart Rack to provide for a high fault-tolerant redundant powered system design. In this configuration, both PSUs share the power demands of the system by operating at half-power. This allows the system to run cooler and more efficient thus extending the performance and reliability of the system. If for any reason one PSU fails, the remaining PSU will deliver the full power load required to maintain operation of the system.

### Built-in Alarm Features

The Smart Rack power supply module provides robust performance; however, if a condition, either within or external to the power supply module, causes the power supply to short circuit, a monitoring circuit will activate a built-in audible alarm for notification of failure.

### Front Panel Indicators and Controls

The front panel of the IFS Smart Rack power supply module contains a DC power indicator and reset switch. The reset switch is used to disable the power supply alarm and reset the PSU.

## Standard Features

- Supports 110 ~240 VAC power
- 12VDC backplane output
- Robust PSU design will handle current load of a fully populated card cage
- PSU module can be used for single or redundant operation
- Power load sharing when using two PSUs for increased system reliability
- Built-in PSU monitoring and audible notification alarm
- Front panel power indicator and alarm reset switch
- AC power cord included
- Comprehensive Lifetime Warranty

# Smart Rack Power Supply Unit (PSU)



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## Specifications

Electrical	
Input Power Voltage	110 ~240 VAC, 50/60Hz
Input Current Draw	1.66A@115VAC; 0.80A@230VAC
Power Consumption	190VA@115VAC
Backplane Output Voltage	12 VDC
Backplane Output Current	12.5A DC (max.)
Backplane Output Power	150W (max.)
Input Fuse Rating	4A, 250V, Slow-blow
Input Fuse Size	5x20mm, located in pull-out tray on back panel

Connectors	
AC Power Input	IEC 320 3-pin male socket with AC plug retaining clip (AC power cable included)
12VDC/Communications Backplane Output	Three 30-pin connectors

Operating and Status Controls	
Power Switch	Rocker panel on/off switch
Power LED Indicator	Green/operational; off/non-operational
Alarm	Piezo-electric buzzer
Alarm Reset Switch	Momentary push button

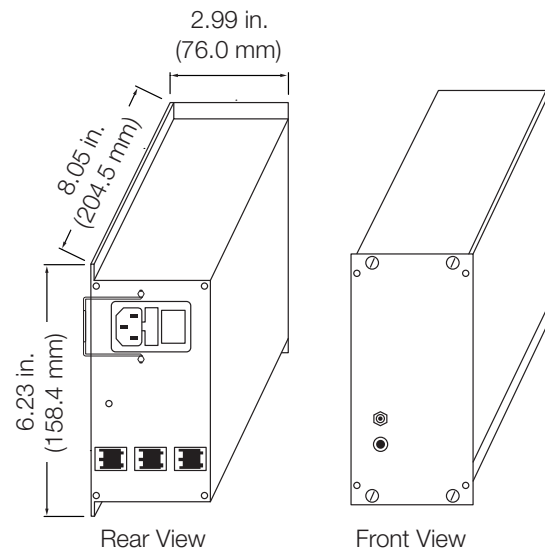
Mechanical	
Dimensions (H x W x D)	6.08 x 2.95 x 8.05 in. (15.8 x 7.5 x 20.5 mm)
Construction	Aluminum
Finish	Black semi-gloss paint
Mounting	Four captive screws

Environmental	
Operating Temperature	-20°C~ +60°C
Storage Temperature	-40°C~ +85°C
Relative Humidity	10 to 95% non-condensing
MTBF	>100,000 mrs
Regulatory	UL, CE and FCC

## Ordering Information

DFR-PS1 IFS Smart Rack Power Supply (100-240VAC)

## Dimensional Diagrams



Security Products by GE are now part of the UTC Fire & Security family



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