

PFC419F-EURO SERIES

19in Rack Mount Power Systems: 5000 Watts



Features

- Plug-in (Eurocard) modules 1000 watts
- High quality built in fan cooling
- Rugged, industrial quality design
- Over voltage protection
- Overload and short circuit protection
- MTBF > 140,000hrs
- Specials output voltage options
- Any output from 24 ~ 125vdc possible
- N+1 Redundancy Applications – option
- Output DC Fail alarm -Option
- Battery Charging applications - Option

General Specifications

Input Voltage	90 ~ 264VAC
Frequency	47 – 63Hz
Input Protection	Inrush current limiting Varistor Internal safety fuse
Isolation	Input - Output 4300vdc Input – Chassis 2250vdc Output – Chassis 500vdc
Efficiency	Model dependent , typically 80%
Output voltage	24 ~ 125V options
Output Power	1000 watts per module 5000 watts per Rack
Parallel Operation	Optional
Voltage adjustment	Customer specified, typically 5%
Regulation	Output voltage dependant Typically: ±3-5%
Output Protection	Over voltage protection Constant Current limiting & short circuit protection
EMI	EN55022 class A
Immunity	EN61000-4
Shock & Vibration	Designed to meet IEC61373 Cat 1 A & B
Operating Temp.	0°C to +50°C at full load. +70°C at 50% load.
Cooling	Each plug-in module, built in fans
Dimensions	Modules: 4U x 16HP x 305mm Eurocard 3.0kg Rack: 4U x 19in 385mm deep

Description

The PFC419 F-EURO is a modular, industrial quality AC/DC power supply system with power factor corrected input.

It can be built with up to five 1kW PFC419F-EH plug-in power supply modules assembled in a 4U x 19" card-frame, delivering a maximum of 5000W or 4000W with N+1 redundancy.

Each hot insertable module has a built-in redundancy diode which allows for parallel connection and N+1 redundant operation. This feature also makes the system suitable for battery charging.

This mature design has large design headroom and is rated for operation over the specified temperature range without de-rating. Each plug-in module is cooled by two high quality built-in fans. Full electronic protection and the use of components with established reliability results in a high demonstrated MTBF confirmed by a track record in numerous applications.

Options

Output Voltage	Special voltage output, up to 125VDC
Alarm	Voltage Free contacts
N+1 Redundancy	Output redundancy diode for parallel operation

Rack Part No Configuration:

BR4U-PFC419--xxxx (xxxx allocated at time of order)

Module Part No Configuration:

PFC419 F-48EH-xxxx (48V 1000W)

Series / Power	Output V	Output A	EH	Options
PFC419 F	24	41A	EH = Eurocard	Factory Assigned No.
	28	35A		
	30	33A		
	48	20A		
	55	18A		
	60	16A		
	72	13.8A		
	110	9A		
	125	8A		

- Output voltage is customer specified, together with any special options / features.
- Final Part no will be allocated at time of order.