

PFCF419 SERIES

AC / DC Single Output: 1000 Watts



Features

- Universal input: 95 ~ 264VAC
- Power Factor correction
- Input – Output fully isolated
- Regulated output
- Overload & Overvoltage protection
- **N+1** Redundancy option
- Any output from 12 – 120vdc possible
- Voltage output adjustment
- Suitable for a wide range of industrial applications
- EMC EN55022 class A
- Also available as Plug-in module
- Battery charging options

Specifications:

Input Voltage	95 ~ 264VAC	Thermal Protection	Thermal shutdown in case of insufficient cooling, with auto restart.
Input Frequency	47 ~ 420Hz	Remote Sense	Not available
Input Current	14A typically at 110vac	Parallel Operation	Optional with N+1 redundancy
Efficiency	Model dependant, typically 80%	Operating Temp.	0°C to +50°C (extended operation option)
Input Protection	Inrush current limiting Internal fuse	Humidity	85% RH (non-condensing)
Output Voltage	Any voltage from 12 ~ 120vdc	Isolation Voltage	Input-Output: 4300vdc Input-Chassis: 2250vdc Output-Chassis: 500vdc
Voltage Adjustment	±10%	Vibration	5-10Hz, 10mm double amplitude, 20 minutes period each along X,Y,Z axis
Output Current	60A maximum	Shock	294m/s ²
Output Power	1000 watts maximum	Cooling	Fan cooled
Ripple & Noise	Typically 1% pk-pk or 0.2% RMS	EMI	Conducted EN55022 class A
Load Regulation	±1.5%	Connector	Screw terminals or Stud terminals depending on output current.
Line Regulation	±1.0%	Indicator	N/A
Temp Coefficient	0.03% per °C	Alarm	Optional
Hold Up Time	10mS for 5% voltage drop	MTBF	150,000hrs
Switching Frequency	50-150kHz boost section, load dependent, 55kHz for the dc/dc section	Dimensions	352 x 186 x 67mm, includes fans (FFX package)
Overcurrent Protection	Rectangular Current limiting with auto recovery, set at approximately 110% of rated output	Weight	3.0kg
Overvoltage Protection	Second regulator loop, set at approx 120% of output voltage setting. Rrecycle AC input after 1-2 minutes to restart.		

Model	Output		Power W
	V	A	
PFCF419-12	12.0V	60A	720W
PFCF419-13.8	13.8V	60A	830W
PFCF419-15	15.0V	60A	900W
PFCF419-24	24.0V	42A	1000W
PFCF419-28	28.0V	36A	1000W
PFCF419-36	36.0V	28A	1000W
PFCF419-48	48.0V	21A	1000W
PFCF419-54	54.0V	18A	1000W
PFCF419-110	110V	9A	1000W
PFCF419-120	120V	8.4A	1000W

Note:

Final part number will be factory allocated to reflect output voltage and other options

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