

FARM

AUTORANGING AC INPUT WITH FILTER

Features

- Autoranging 115/230VAC input
- EMI filtering
- 500W or 750W models
- Inrush current limiting
- 96% Efficiency
- Mini sized package
- Power fail signal
- Module enable



Production Information

The FARM (Filter/Autoranging Rectifier Module) is an AC front which provides EMI filtering, autoranging line rectification, transient protection and inrush current limiting. The FARM is available in either 500/750W or 750/1000W models in a mini sized package measuring only 57.9x55.9x12.7mm.

The FARM interfaces directly with worldwide AC mains and may be used with Vicor 300 V input DC-DC converters to realize an autoranging, high density, low profile switching power supply. The FARM includes a microcontroller that continuously monitors the AC line to control bridge / doubler operation. The user need only provide external capacitance to satisfy system hold-up requirements.

General Specifications

Parameter	FARM1()21	FARM2()21
Input Voltage	90-132/180-264VAC	
Output 115VAC 230VAC	Current	500W 750W 750W 1000W
Compatible DC/DC Converter	VI-26X, VI-J6X, V300	
Efficiency	96%	
Dimensions	57.9x55.9x12.7mm	
STANDARDS		
C-Tick	AS/NZS CISPR11 Group 1 Class A	
Safety	UL 60950, EN60950	

Part Numbering

