

# SMF Series

## Switchmode Reducers

**REDARC**



### Features

- Compact in size and easy to install
- In built current limiting
- Ignition controlled output
- Wide input voltage range
- High Efficiency

### Description

The compact SMF series supplies 13.7V (+/-5%) from a 24V negative ground automotive electrical system. It is suitable for lamps, small motors, computer and communications equipment, fridges, pumps, TV's and electronic loads to a maximum of 10, 20, 30, 40 or 60 AMPS continuous rating depending on the unit. The reducers are ideally suited to applications that require a low noise output and are designed to operate sensitive radio and communication equipment.

### General Specifications

MODEL	SMF10	SMF20	SMF30	SMF40	SMF60
IP Volts Nominal	16-33V	16-33V	16-33V	16-33V	16-33V
IP Volts Max.	36V	36V	36V	36V	36V
IP Fuse Rating	7.5A	15A	20A	25A	40A
Output Current Rating	10A	20A	30A	40A	60A
Max. O/P Current	11A	22A	33A	44A	66A
Output Voltage	13.7V	13.7V	13.7V	13.7V	13.7V
Conversion Efficiency	>85%	>85%	>85%	>85%	>85%
Temp. above ambient	32°C	40°C	42°C	56°C	55°C
Line Regulation	<0.1V	<0.1V	<0.1V	<0.1V	<0.1V
Load Regulation	<0.5V	<0.5V	<0.5V	<0.5V	<0.5V
Dimensions	100x135x50mm	160x135x50mm	160x135x60mm	160x135x60mm	220x135x67mm
Weight	600g	900g	1.1kg	1.1kg	1.3kg
Warranty	2 years	2 years	2 years	2 years	2 years

FREE TECHNICAL ASSISTANCE contact Redarc Electronics  
Ph (08) 8322 4848, Fax (08) 8387 2889  
or Email [power@redarc.com.au](mailto:power@redarc.com.au)  
*Specifications are subject to change without notification.*