

SFC SERIES

SFC Systems applicable for Radar/ Navigation aid, CNC Machines, Telecommunication, Medical Equipments, Testing & Engineering Laboratory, Process Control and Analytical/ Test Instruments.



FEATURES:

- ▶ **DUAL CONVERSION**
using PWM Based IGBT technology
- ▶ **INPUT-OUTPUT Galvanic Isolation** by Isolation Transformer at the Output.
Capable of feeding 100% Unbalanced Loads
High efficiency hence lesser running costs.
- ▶ Fast response to line and load Variation & Excellent line - load regulation
- ▶ Can feed high surge currents such as Motors, Compressors, CNC machines
- ▶ Soft start circuitry to limit inrush current from mains
- ▶ Load fully protected from High and Low output Voltage & Fully electronic Protection against overload
- ▶ Easy to install and maintain

SPECIFICATIONS

MODEL		SFC 15- __	SFC 30- __	SFC 50- __	SFC60- __
INPUT VOLTAGE	Nominal	415 V AC			
	Range	340-480 v 3ph 4 wire AC			
FREQUENCY	Nominal	50Hz			
	Range	±3Hz			
PHASE		Three phase, 4 Wire(Optional 3 wire)			
WAVEFORM		Sinusoidal			
POWER (MAX.)		15 KVA/12KW	30 KVA/ 24KW	50KVA/40 KW	60KVA/ 48KW
OUTPUT VOLTAGE		380/400/415/460 V AC(Other Outputs on request)			
VOLTAGE REGULATION		Steady State balance/unbalance loading ±1% , Transient 100% load change±5%			
FREQUENCY		50/ 60 Hz selectable			
PHASE		Three Phase, 4 Wire			
POWER FACTOR		0.8 lag to unity			
WAVEFORM		Sinusoidal			

SPECIFICATIONS

	SFC 15-__	SFC 30-__	SFC 50-__	SFC 60__
HARMONIC DISTORTION	<3%			
EFFICIENCY	90% Peak at full load unity power factor & nominal input voltage			
METERING (Digital)	a) Output Voltage, current, Frequency b) Input Voltage			
PROTECTIONS	Input mcb Output Over/ Under Voltage Overload/ Short Circuit Overheat			
INDICATIONS	Input AC Supply ON Inverter ON Overload		DC ON Output Over/ Under Voltage Over temperature	
TERMINATION	Suitable terminals to terminate AL cables for Input /Output.			
VENTILATION	Forced Air Cooled			
CABLE ENTRY	Possible from Bottom			
OVERLOAD	110% for 30minutes, 125% for 1minute,150% for 200msec			
GENERAL				
OPERATING TEMPERATURE	0 to 45°C			
STORAGE	-20°C to +70°C			
FINISH	RAL: 7032 or as per customer choice			
RELATIVE HUMIDITY	95% RH at +35 Degree C			
ENCLOSURE PROTECTION	IP20 (Optional IP30/31,IP40/41)			
BATTERY(Optional)	Suit for Lead acid Tubular as well as Sealed MF Batteries for back-up upto 08 Hrs			
EXTENDED RANGE OPTION	Models available in between power ratings , Output voltage/Frequency on request. Customised Options are available			

** Customised design for very high short term overload available.

We pursue a policy of continuous development & product improvement. Specifications & front panel controls may be subject to change, w

R S AUTOMATION

**YASH SANKUL CO-OP HSG SOC, BLDG A-8, FLAT NO: 2, PIMPLE SAUDAGAR,
NEAR SAWRAJ GARDEN, AUNDH ANNEXE, PUNE-411027**

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