



- ACSOON WJF60 series AC Power Supply / Frequency Converter is applicable to induce voltage test, partial discharge test etc., it generally forms a withstand voltage test system with isolated step-up transformers, inductors, partial discharge instruments, designed to change frequency and voltage, integrates IGBT and high frequency SPWM technology for higher overload capability and good reliability.

WJF series AC power source is ideal for testing electrical equipment in HV/LV Labs with demands of Partial Discharge. It has clean sine wave output and excellent line and load regulation, high efficiency and low harmonic distortion.

Application Fields:

- Withstand test of high voltage cable
- Induce voltage test of transformer
- Partial discharge test of transformer
- Current/ voltage transformer and insulator test
- High-voltage insulation research

Main Features

- Isolated output transformer, suitable for any unbalance loads. Each single phase can be used independently
- Compatible with both 50Hz and 60Hz power supply network
- Galvanically isolated, low harmonic distortion
- Pure sine wave, sinusoidal output
- Built in RS485/RJ45 communication interface
- Display real-time data: voltage, current, frequency, power / power factor
- Voltage & Frequency could be adjusted and selected on-line

ACSOON® WJF60W series power supply single unit are available with the following capacities:

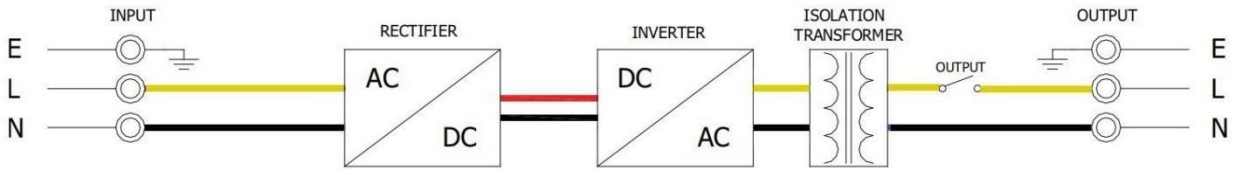
■ Single phase output: (Select one individual KVA)

5kva, 10kva, 15kva, 20kva, 30kva, 45kva, 60kva, 75kva, 100kva, 150kva, 200kva, 300kva, 400kva, 500kva

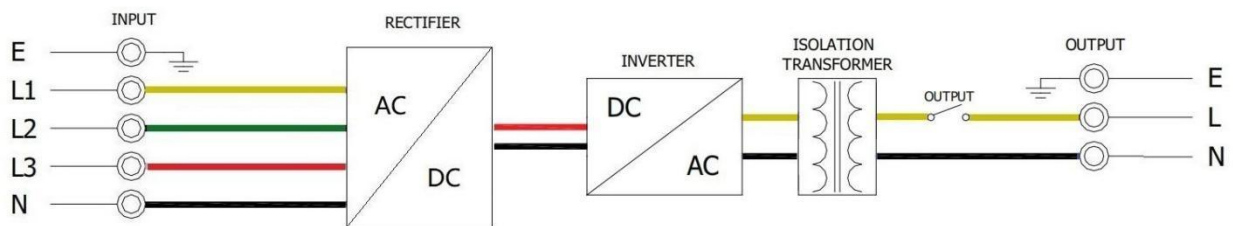
■ Three phase output: (Select one individual KVA)

5kva, 10kva, 15kva, 20kva, 30kva, 45kva, 60kva, 75kva, 100kva, 150kva, 200kva, 300kva, 400kva, 500kva, 600kva, 800kva, 1000kva, 1500kva and 2000kva

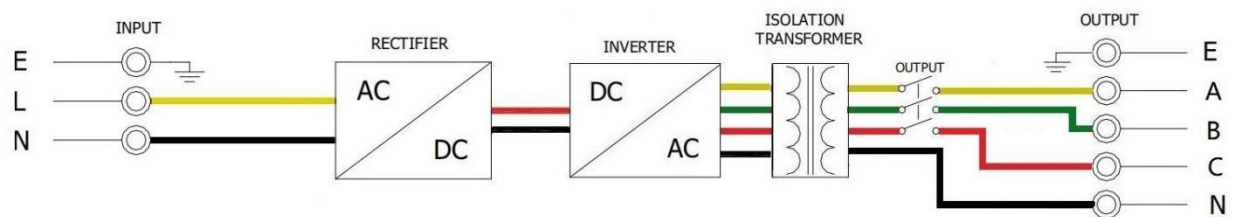
Circuit Block Diagram for ACSOON 1 Phase & 3 Phase SFC



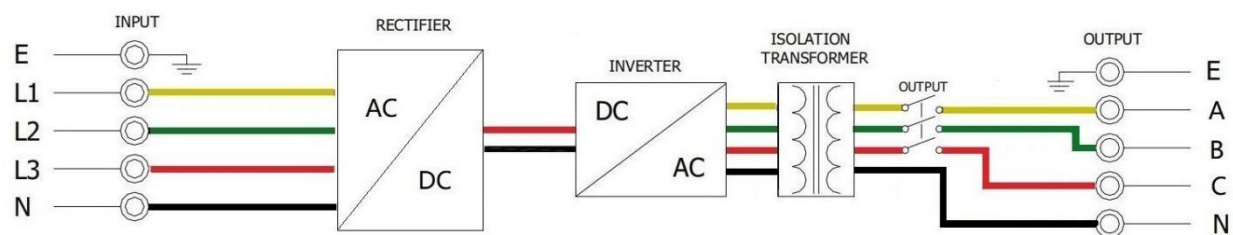
SINGLE PHASE INPUT - SINGLE PHASE OUTPUT



THREE PHASE INPUT - SINGLE PHASE OUTPUT



SINGLE PHASE INPUT - THREE PHASE OUTPUT



THREE PHASE INPUT - THREE PHASE OUTPUT

Specification Data sheet for ACSOON WJF60W SFC

INPUT	
Number of Phases	Single Phase / Three Phase
Nominal Input Voltage	220V / Single Phase ; 380V / Three Phase Or customize
Voltage Tolerance	± 15%
Nominal Frequency	50Hz / 60Hz
Frequency Tolerance	40Hz - 70Hz
OUTPUT	
Number of Phases	Single Phase / Three Phase
Nominal Output Voltage	220V / Single Phase ; 380V / Three Phase Or customize
Voltage Adjustable	0.1-800V (L-L) ,Three Phase + Grounding
Nominal Output Frequency 50Hz / 60Hz	
Frequency Adjustable	45Hz - 400Hz or as per customized
Voltage Regulation & Stability +/-1% FS	
Frequency Stability	+/-0.1%FS
LCD Digital Display	7/ 10-inch touch screen: Frequency, Voltage, Current, Power Factor / Power (watt), Time Setting
Manual buttons on panel	Run and reset (stop), phase changeover button, power (watt)
Distortion	Clean sine wave THD <3% @ Linear loads
Input Power Factor	≥0.8
Overall Efficiency	≥85%
Crest Factor	1.414±0.1
Weight & Dimension	As per manufacturer's standard configuration
Protection	Over current, over load, over heat, short circuit,over heat Protections and alarm.
Overload Capacity	125% 30s, 150% 1s
Partial Discharge	≤10PC
Communication interface	RS485/RJ45
IP Class	Standard IP20/IP21 indoor. IP32 & IP54 as optional
MTBF	50,000 Hrs
Humidity	10-95%
Noise	Less than 70 dB within 1 meter
Operating Temperature	-10 to 45°C

The system shall be housed in Sheet Steel cabinet with IP20/IP21 protection and shall be powder coated in RAL7035 Grey shade. The cabinet shall be an upright, free standing, steel cabinet with removable side covers, The cooling fans shall be provided as per manufactures' standard and hinge mounting front door. The construction and layout shall be kept such that there is an easy access to any component in the equipment. transformers are mounted on the bottom plate of the cabinet. The terminals for Mains Input & Output are provided on the interior side of the cabinet. Cable entry shall be provided from at the bottom of the cabinet. (PS.The terminals for Mains Input & Output are provided on the rear side for rack mounted converter, cable entry shall be provided at the rear side of the converter)