

AF60W Series Static Frequency Converter/AC Power Supply

Acsoon® AF60W series is one of the most popular static solid-state frequency converter.

AF60W is designed to change conventional 50 Hz or 60 Hz electrical energy to virtually any other frequency.

It integrates IGBT made by Mitsubishi, Siemens, and combines analog signal control design together for compact size and higher reliability.

AF60W as a power source is ideal for export/import testing and operating equipment manufactured in a foreign country.

It can simulate any world wide utility as well as shipboard power with clean sine wave output and excellent line and load regulation, high efficiency and low harmonic distortion

Main Features

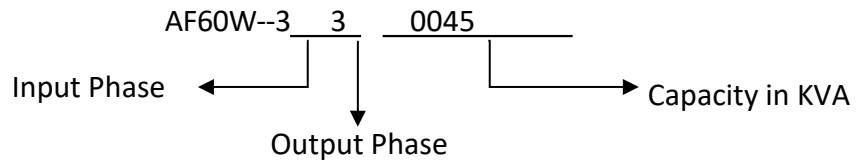
- Isolated output transformer, suitable for any unbalance loads. Every single phase can be used independently
- EMC compatible
- Compatible with both 50Hz and 60Hz power supply network
- Galvanically isolated, low harmonic distortion
- Pure sine wave, sinusoidal output
- Variable frequency and voltage
- Display real-time data: voltage, current, frequency and power

ACSOON



Models Selection

The Acsoon® AF60W series power supply model designation is shown below:



Acsoon® AF60W series power supply single unit are available with the following capacities:

- Single phase output: (Select one individual KVA)
1kva,2kva,3kva,5kva,10kva,15kva,20kva,30kva,45kva,60kva,100kva,150kva,200kva
- 3 phase output: (Select one individual KVA)
1kva,3kva,6kva,10kva,15kva,20kva,30kva,45kva,60kva,100kva,150kva,200kva
, 300kva,400kva,500kva,600kva,800kva,1000kva,1500kva,2000kva

Specification

● Capacity

◇ 1KVA to 2000KVA

● Overload

◇ 125% 30s

● Input

◇ Voltage:1 phase 120V ± 15% ,1phase

220V ± 15%,3 x220V/380V ± 15%,

3 x127V/220V ± 15% or as per

your specific requirement

(select one individual voltage)

◇ Frequency:50/60Hz ± 5%

● Protection

◇ Over/under voltage

◇ Over current,Over load

◇ Over temperature,Short circuit

◇ Voltage difference between each phase<3V

◇ Additional output contactor(Option item)

- ◇ Power Factor:
 - ◇ ≥ 0.8 (Standard Type)
 - ◇ ≥ 0.9 (12-pulse Type,option item)
- **Output**
 - ◇ Voltage: 1 phase 120V,1 phase 220V fixed
 - Or 1 phase 10-150V/20-300V adjustable
 - Or 3x220V/380V or 3x240V/415V fixed
 - Or 3 phase 17-260V/34-520V adjustable
 - (Select one individual voltage)
 - ◇ Frequency:50Hz/ 60Hz/100Hz/200Hz
 - 45-800Hz adjustable,or 500Hz optional
 - ◇ Voltage Regulation: $\pm 1\%$ @120V
 - ◇ Frequency Regulation: $\pm 0.01\%$ @fixed frequency
 - ◇ Crest: 1.414 ± 0.1
 - ◇ Distortion:clean sine wave THD<3%@Linear loads $\geq 100V$

● Display

- ◇ LED:Voltage,Current,frequency,Power/PF

● Working condition

- ◇ Temperature:-10 to 45°C
- ◇ Humidity:10-95%
- ◇ Noise:< 65dB within 1 meter
- ◇ IP20/IP32
- ◇ Altitude<1800m

● Reliability&Efficiency

- ◇ Mean Time Between Failure(MTBF) 50,000H
- ◇ Mean Time to Restoration(MTTR)< 30 min
- ◇ Overall efficiency $\geq 85\%$

● Standards

- ◇ EN60204-1
- ◇ IEC 62321
- ◇ EN61000-6-3

