AF400W Series
Ground Power Unit

AF400W series is one of the most popular static frequency converter. AF400W is designed to change the power at 50Hz or 60Hz to aircraft quality power at 400Hz.

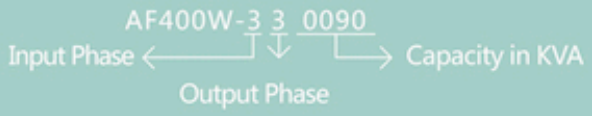
It integrates IGBT made by Mitsubishi, Siemens and Infineon with PWM switching technology, and combines micro controller (digital signal control) design for quicker response and higher reliability.

AF400W as a power source to develop aircraft quality 400Hz Power. It is mostly used in aircraft production manufacturing, aviation R&D, military/civil hangar, maintenance plant, aerospace equipment, military airport tarmac and 400Hz ground radar systems.

Main Features

- Automatically voltage compensation system,ideal voltage at aircraft connector
- Self diagnose system which would show error code/faulty explanation on the VFD screen
- Memory stores 10 events
- Galvanically isolated, low harmonic distortion
- Thoroughly proven advanced SPWM and IGBT technology
- Pure sine wave output
- Eco-friendly, high efficiency, low noise
- 28VDC military interlock

Models Selection
The AF400W series power supply model designation is shown below:



Specification

Capacity

★ 30/45/60/90/120/150/180KVA

Input

★ Voltage: 3 x127V/220V ± 15% or
3 x220V/380V ± 15%,
3 x240V/415V ± 15%
Or as per your specific requirement
(select one individual voltage)
★ Frequency: 40-70Hz
★ Power Factor:
≥0.8 (Standard type)
≥0.9 (12 pulse type, optional item)
★ Inrush current: None, soft start

Output

★ Voltage:3x115/200V,3x120/208V(L-N/L-L),
Or select one individual voltage
★ Frequency: 400Hz (320-480Hz adjust)
★ Interface: RS232/485 communication port
★ Voltage regulation: ± 1% FS(full scale)
★ Frequency regulation: ± 0.1%
★ Crest: 1.414 ± 0.1
★ Distortion: THD<3% @ linear load
Voltage difference between each phase<3V
★ Line drop compensation: 1-10V
★ Voltage recovery: ΔU <10% and rec.
time <50 ms at 100% load change
★ Phase angle symmetry:
120° ± 2° (33% unbalance Load)
120° ± 4° (100% unbalance Load)

Overload

★ 125% for 600 sec; 150% for 60 sec;
★ 200% for 10 sec.

Protection

★ Input Over/under voltage, phase loss
★ Over current, Over load,
★ Inner over heating,Short circuit,
★ Output Phase loss, wrong phase sequence
★ Self diagnose and alarm

VFD display and control:

★ Output voltage, Current, Frequency
★ Start/Stop,On/off each output
★ Line drop compensation status
★ Emergency Stop

Available options

★ 28 VDC, 300-3000 A (45-90KVA only)
★ Additional output contactor
★ Remote control box
★ Terminal extension for 2 PCS of 7 core cable
★ Parallel system
★ Door Interlock
★ 28V Military Interlock

Working condition

★ Temperature:-40 to 55℃
★ Humidity:10~95% non condensing
★ Noise:< 65dB within 1 meter
★ IP22 / IP55

Reliability&Efficiency

★ Mean Time Between Failure (MTBF) 50,000H
★ Mean Time To Restoration (MTTR)< 30 min
★ Electromagnetic compatibility:Meeting relevant requirement of IEC61000-6-2 and EC61000-6-4
★ Standby power consumption:<65W
★ No-load power consumption:<2.5KW
★ Efficiency: ≥85% at full load for standard type
≥95% at full load for 12-pulse type(Optional)

Standards

★ DFS400
★ MH/T6018
★ ISO 6858
★ MIL-STD-704F
★ EN62040-1-1
★ GJB572
★ En61000
★ GJB 181

ADCW Series
DC Ground Power Unit

ADCW series is designed to give continuous high quality DC power.

This continuous high power model is ideal for crew training, aircraft servicing in workshops,on the ramp or in the field,diagnostic work, pre flight checks, charging the on board battery or for continuous powering of equipment during operations, without draining the onboard aircraft batteries.

The safety features include over voltage,overload and Internal Thermal ,short circuit protection. The power modules conform to EMC standards for noise emissions and immunity.

Models Selection

The ADCW series power supply model designation is shown below:

ADCW - 28 200

Output Volt ← → Output Current

Output Rated Voltage: DC28.5V Or 270V DC

Output Rated Current For DC 28.5V type: 100A,200A,300A,400A,500A,600A,800A, 1000A,2000A

Output Rated Current For DC270V type: 50A,100A,200A,300A,400A,500A

Specification

Capacity

★ 50A To 2000A

Input

★ Voltage: 3 x127V/220V ± 15%, 3 x220V/380V ± 15% Or as per your specific requirement
★ Frequency:50Hz/60Hz ± 5Hz
★ Power Factor: ≥0.85 (Standard Type)
★ Rectification: 6 pulse

Output

★ Voltage:DC28.5V(10-35V adjust) or DC 270V(240-300V adjust)
★ Current:50A-2000A(select one individual current)
★ Voltage Regulation: ± 1%
★ Voltage Ripple:500mV or less than 1V
★ RS232/485 com port

Available options

★ Cables upon request

Overload

★ 125% continuous,150% 60S,200% 15S

Protection

★ Input Over/under voltage
★ Output over voltage,current limit
★ Inner overheating,inverting over current
★ Self diagnose and alarm

Display

★ Voltage,Current,setting current limit

Working condition

★ Temperature:-40 to 55℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP22/IP55

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean time to restoration(MTTR)< 30 min
★ Overall efficiency:>85%

Standards

★ ISO 6858
★ MIL-STD-704F

AF60W Series

Static Frequency Converter/AC Power Supply

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.

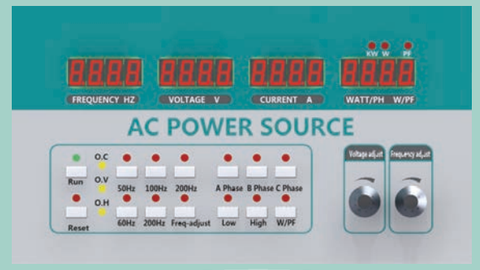
It integrates IGBT made by Mitsubishi, Siemens, and combines analog signal control design together for compact size and higher reliability.

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



Models Selection
The AF60W series power supply model designation is shown below:

AF60W-3 3 0045
Input Phase ← → Capacity in KVA
Output Phase

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,60kva100kva,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

Input

★ Voltage:1 phase 120V ± 15% ,1 phase 220V ± 15%,3 x220V/380V ± 15%, 3 x127V/220V ± 15% or as per your specific requirement (select one individual voltage)
★ Frequency:50/60Hz ± 5%
★ 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/ 45-65Hz adjustable,or 400Hz optional
★ Voltage Regulation: ± 1% @120V
★ Frequency Regulation: ± 0.1%
★ Crest:1.414 ± 0.1
★ Distortion:clean sine wave THD<3%@Linear loads⩾100V

Overload

★ 110% 15Mins,120% shut down

Protection

★ Over/under voltage
★ Over current,Over load
★ Over temperature,Short circuit
★ Voltage difference between each phase<3V
★ Additional output contactor(Option item)

Display

★ LED:Voltage,Current,frequency,Power/PF

Working condition

★ Temperature:-10 to 40℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP22/IP32
★ Altitude<1800m

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean Time to Restoration(MTTR)< 30 min
★ Overall efficiency⩾80%

Standards

★ EN61010
★ IEC 62321
★ EN61326
★ EN62040-1-1

ACSW Series
Programmable AC Power Source

ACSW series Programmable AC Power Sources have the ability to simulate the AC voltage and frequency used in all countries. They are excellent instruments for R&D,design production testing/evaluation,and QA verification.In addition, the frequency range covers 500 Hz, making these products ideal for commercial and defense avionics applications.

The ACSW series delivers maximum rated power for any adjustable output voltage up to 300Vac (L-N) / 520Vac (L-L)for 3 phase units, and at any adjustable frequency between 40Hz to 500 Hz.

It integrates IGBT made by Mitsubishi, Siemens, and Infineon, and combines microprocessor and ARM &DSP control design together for quick response and higher reliability and parallel operation.

Main Features

- 10 memory locations for easy test setup and recall
- Double protection with hardware and software
- Free Instrument control software available
- Simulate transient conditions
- Programmable starting, voltage and current limit
- LCD to monitor voltage, current, frequency, power and power factor
- Built- in RS232, RS485, communication port, suitable for remote monitoring.
- Capable for each phase unbalance loads.

Models Selection

The ACSW series power supply model designation is shown below:

ACSW-3 3 0090
Input Phase ← → Capacity in KVA
Output Phase

ACSW series power supply are available with the following capacities (parallel operation is available):
Single phase output: 1KVA ~ 100KVA
Triple phase output: 1KVA ~ 450KVA

Specification

Capacity

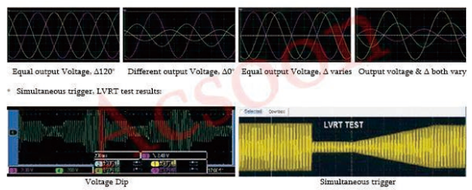
★ 1KVA to 450KVA

Input

★ Voltage: 1 phase 120V+/-20%,1 phase 220V+/-20%,3 x127V/220V+/-20%, 3x220V/380V+/-20% or as per your specific requirement(select one individual voltage)
★ Frequency:40-70Hz
★ Power Factor:
★ ⩾0.8 （Standard Type）
★ ⩾0.9（12-pulse Type,option item）

Output

★ Voltage:1 phase 10-150V/20-300V adjustable
3 phase 17-260V/34-520V adjustable(L-L)
(Set your desired voltage)
★ Current:0-Limit (Set your desired current)
★ Frequency:50Hz/60Hz/400Hz/40Hz-500Hz
★ Voltage Regulation:+/-1%⩾100V
★ Frequency Regulation:+/-0.1%
★ Crest:1.414+/-0.1
★ Distortion: THD<3%@ linear load⩾100V
★ Phase Shift:
120° +/-1° (no load/ balance load)
120° +/-3° (33% unbalance load)
120° +/-4° (100% unbalance load)



Overload

★ 110% 15Mins,125% 300s,150% 30s

Protection

★ Over/under voltage
★ Over current,Over load
★ Over temperature,Short circuit
★ Voltage difference between each phase<3V
★ Additional output contactor(Option item)

Display

★ Voltage,Current,frequency,Power/PF

Working condition

★ Temperature:-10 to 40℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP22/IP32
★ Altitude<1800m

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean time to restoration(MTTR)< 30 min
★ Overall efficiency⩾85%

Standards

★ En61010
★ IEC 62321
★ EN61326
★ EN62040-1-1

AF400M Series

Static Frequency Converter/AC Power Supply

AF400M series is one of the most popular 400Hz static frequency converter. AF400M is designed to change conventional 50 Hz or 60 Hz electrical energy to 400Hz/300-500Hz(adjustable).

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

AF400M as a power source is ideal for testing aviation electronics and aviation electrical equipment.

It can simulate 115V 400Hz aircraft 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
- Display real-time data: voltage,current, frequency and power

Models Selection

The AF400M series power supply model designation is shown below:

AF400M-3 3 0045

Input Phase ← → Capacity in KVA

Output Phase

AF400M 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

3 phase output: (Select one individual KVA)
1kva,3kva,6kva,10kva,15kva,20kva,30kva, 45kva,60kva

Specification

Capacity

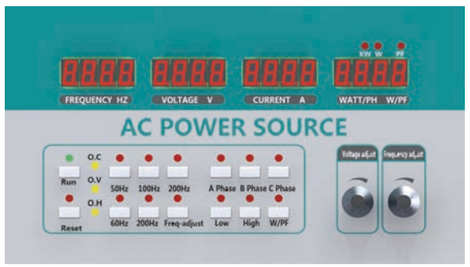
★ 1KVA to 60KVA

Input

★ Voltage:1 phase 120V ± 15% ,1 phase 220V ± 15%,3 x220V/380V ± 15%, 3 x127V/220V ± 15% or as per your specific Requirement(select on individual voltage)
★ Frequency:50/60Hz ± 5%
★ Power Factor:
★ ≥0.8（Standard Type）
★ ≥0.9（12-pulse Type,option item）

Output

★ Voltage: 1 phase: 115V fixed, 1 phase 97-132V adjustable Or 3 phase: 3 x115V(L-N)/200V(L-L) fixed Or 3 ph 98-133V(L-N) /170-230V(L-L)adjust Or 21(L-N)/36V(L-L) can be customized.
★ Frequency: 400Hz /300-500Hz adjustable
★ Voltage Regulation:+/-1%
★ Frequency Regulation:+/-0.1%
★ Crest:1.414+/-0.1
★ Distortion: clean sine wave THD<3%@Linear load



Overload

★ 110% 15Mins,120% shut down

Protection

★ Over/under voltage
★ Over current,Over load
★ Over temperature,Short circuit
★ Voltage difference between each phase<3V
★ Additional output contactor(Option item)

Display

★ LED:Voltage,Current,frequency,Power/PF

Working condition

★ Temperature:-10 to 40℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP20/IP32/IP54
★ Altitude<1800m

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean Time to Restoration(MTTR)< 30 min
★ Overall efficiency≥80%

Standards

★ En61010
★ IEC 62321
★ ISO 6858
★ EN61326
★ EN62040-1-1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AF50W Series

Voltage&Frequency Stabilizer/AC Power Supply

AF50W series is utilizing the rectifying and inverting technology to convert the unsteady electricity from +/-30% variable into steady status with galvanically isolated,single phase or three phase power source.

AF50W Series are designed to prevent the sensitive electronics/heavy duty electric equipment from damage when they are supplied under unstable state electric grid /generator,such as flicker,power drops etc

It integrates IGBT made by Mitsubishi, Siemens, and combines analog signal control design together for compact size and higher reliability.It’ s widely application in factory manufacturing,technology researching as well as home appliances.

Main Features

- High reliability and availability
- Galvanically isolated,low harmonic distortion
- Isolated output transformer,suit for any unbalance loads.Every single phase can be used independently
- Thoroughly proven advanced SPWM and IGBT technology
- Pure sine wave,sinusoidal output
- Better overload capacity
- Display real-time data: voltage,current, frequency and power

Models Selection

The AF50W series power supply model designation is shown below:

AF50W-3 3 0010

Input Phase ← Output Phase

Capacity in KVA

AF50W series power supply single units are available with the following capacities:

Single phase output: (Select one individual KVA)
1kva,2kva,3kva,5kva,10kva,15kva,20kva,30kva, 45kva,60kva100kva,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

Input

★ Voltage:1 phase
120v+/-30%(80v-150v),
1 phase 220v+/-30%(160v-280v) or
3 phase 380v+/-30%(265v-495v) or as per Your specific requirement
★ Frequency:30Hz-80Hz
★ Power Factor:
★ ≥0.8 （Standard Type）
★ ≥0.9（12-pulse Type,option item）

Output

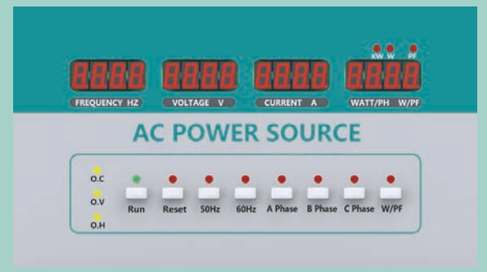
★ Voltage: 1 phase 120V,1 phase 220V
Or 3x220V/380V, 3x240V/415V
Or as per your specific requirement
★ Frequency:50Hz or 60Hz
★ Voltage Regulation:+/-1%
★ Frequency Regulation:+/-0.1%
★ Crest:1.414+/-0.1
★ Distortion:
clean sine wave THD<3%@Linear loads

Overload

★ 110% 15Mins,120% shut down

Protection

★ Over/under voltage
★ Over current,Over load
★ Over temperature,Short circuit
★ Voltage difference between each phase<3V
★ Additional output contactor(Option item)



Display

★ LED:Voltage,Current,frequency,Power/PF

Working condition

★ Temperature:-10 to 40℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP22/IP32
★ Altitude<1800m

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean time to restoration(MTTR)< 30 min
★ Overall efficiency≥80%

Standards

★ En61010
★ IEC 62321
★ EN61326
★ EN62040-1-1

ACF60W Series

Frequency Converter/Marine Power Supply

ACF60W is designed to change conventional 50 Hz or 60 Hz electrical energy to the needs of the shipboard power in an indoors type of enclosure for installation in a substation or power distribution room. It can also be the shore to ship power converters in an all-weather outdoor enclosure for installing on the dockside or mooring berth.

It integrates IGBT made by Mitsubishi, Siemens and Infineon with PWM switching technology, and combines micro controller (digital signal control) design for quicker response and higher reliability
ACF60W is widely used in ship, ship manufacturing and repair plant, offshore drilling platforms, docks and other powered ship occasion.

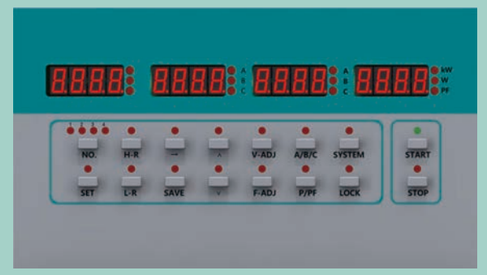
Main Features

- Isolated output transformer,suit for any unbalance loads.
- Every single phase can be used independently
- EMC compatible,Low noise
- Thoroughly proven advanced SPWM and IGBT technology
- Galvanically isolated,low harmonic distortion
- Pure Sine wave,sinusoidal output
- Variable frequency and voltage
- Self diagnose system which would show error code/faulty explanation on the VFD screen

Models Selection
The ACF60W series power supply model designation is shown below:

ACF60W-3 3 0060
Input Phase ← Output Phase → Capacity in KVA

ACF60W series power supply single unit are available with the following capacities:
Triple phase output:
20KVA,30KVA,45KVA,60KVA,100KVA,150KVA, 200KVA,300KVA,500KVA,600KVA,800KVA , 1200KVA



Specification

Capacity

★ 20KVA to 1200KVA

Input

★ Voltage: 3 x240V/415V+/-20%,
3 x220V/380V+/-20% Or as per your specific requirement(select one individual voltage)
★ Frequency:40-70Hz
★ Power Factor:
★ ≥0.8 (Standard Type)
★ ≥0.9 (12-pulse Type,option item)

Output

★ Voltage: 3x220V/380V, 3x240V/415V
3x254V/440V,3x277V/480V Fixed,
3 phase 216-292V/-374-506V adjustable,
(select one individual voltage)
★ Frequency:50Hz or 60Hz
★ Voltage Regulation:+/-1%
★ Frequency Regulation:+/-0.1%
★ Crest:1.414+/-0.1
★ Distortion:THD<3%@ linear load
★ Phase angle symmetry:
120° ±2° (33% unbalance Load)
120° ±4° (100% unbalance Load)

Overload

★ 110% 125% for 600 sec; 150% for 60 sec

Protection

★ Input Over/under voltage, phase loss
★ Over current, Over load,
★ Inner over heating,Short circuit,
★ Output Phase loss, wrong phase sequence
★ Self diagnose and alarm

Display:

★ Output voltage, Current, Frequency
★ Start/Stop,On/off each output
★ Line drop compensation status
★ Emergency Stop

Working condition

★ Temperature:-10 to 55℃
★ Humidity:10-95%
★ Noise:< 65dB within 1 meter
★ IP32/IP55/IP65

Reliability&Efficiency

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean time To Restoration(MTTR)< 30 min
★ Overall efficiency≥85%

Standards

★ En61010
★ IEC 62321
★ EN61326
★ EN62040-1-1

ANDW Series
Pure Sine Wave Inverter

ANDW series are easy-to-use solutions for delivering AC power from batteries or other DC source like solar power source and wind power source.

It provides clean low-distortion sine wave output at ideal powering sensitive electronics/instruments,electric equipments.

It integrates IGBT made by Mitsubishi, Siemens, and Infineon, and combines microprocessor and PLC control design together for quick response and higher reliability.

By-pass function is available. In the event of loss of AC input, the inverter will automatically switch to your DC source in ZERO time .Or In the event of inverter failure, the unit will BYPASS to AC input.It can be factory set for AC or DC primary input operation mode.

Main Features

- Isolated output transformer,suit for any unbalance loads.Every single Phase can be used independently
- EMC compatible,low noise
- Thoroughly proven advanced SPWM and IGBT technology
- Galvanically isolated,low harmonic distortion
- Pure sine wave,sinusoidal output
- Variable frequency and voltage
- Display real-time data:voltage,current, frequency and power

Models Selection

The ANDW series power supply model designation is shown below:

ANDW 220-3 0020

- 220 ← Input DC Volt
- 3 ↓ Output Phase
- 0020 → Capacity in KVA

ANDW series power supply single units are available with the following capacities:

Single phase output:
1KVA,2KVA,3KVA,5KVA,10KVA

Triple phase output:
3KVA,5KVA,10KVA,15KVA,20KVA,30KVA,50KVA, 100KVA

Specification

Capacity

★ 1KVA,1KVA to 100KVA

Input

★ Voltage:
DC24V+/-4V,DC48V+/-4V, DC110V+/-15%, DC 220V+/-15% or as per your specific Requirement(select one individual voltage)
★ By pass AC Voltage:
1 phase 120V/220V+/-20%
or 3x220V/380V+/-20%
★ By pass AC frequency:40-70Hz

Output

★ Voltage: 1 phase 120V,1 phase 220V, 3x220V/380V, 3x240V/415V, 3x254V/440V,3x277V/480V Fixed
★ Frequency:50Hz or 60Hz or 400Hz
★ Voltage Regulation:+/-1%
★ Frequency Regulation:+/-0.1%
★ Crest:1.414+/-0.1
★ Distortion:THD<3%@ linear load
★ Phase angle:
120° +/-1° (no laod/ lalance load)
120° +/-3° (33% unbalance load)
120° +/-4° (100% unbalance load)

Overload

★ 110% 15Mins,120% shut down

Protection

★ Over/under voltage,
★ Over current,Over load,Over temperature
★ Missing phase,Short circuit,
★ Self diagnose and alarm
★ Voltage difference between each phase＜3V
★ Additional output contactor(Option item)

Display

★ LED:Voltage,Current,frequency,Power/PF

Working condition

★ Temperature:-10 to 40℃
★ Humidity:0-95%
★ 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≥80%

Standards

★ En61010
★ IEC 62321
★ EN61326
★ EN62040-1-1

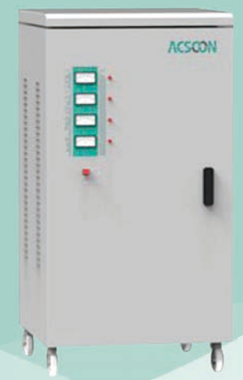
AZBW/SVCW Series

Voltage&Frequency Stabilizer/AC Power Supply

Models Selection
T he Voltage Stabilizer/Regulator model designation is shown below:

AZBW- 3 0010
Series Select ← | ↓ | → Capacity in KVA
Output Phase

AZBW/SVCW series power supply single units are available with the following capacities:
SVCW Series: 1KVA ~ 100KVA ,
AZBW Series: 50KVA ~ 2000KVA



AZBW/ SVCW series is designed to regulate voltage automatically – that is to take a fluctuating voltage level and turn it into a constant voltage level.

Solve many power-related problems with Acsoon Power’ s rugged automatic voltage regulators (AVRs). Acsoon has your application covered from unstable branch circuits, unstable power grid and poor local distribution to bad wiring and frequent generator cycling.

Acsoon Power offers a full range of automatic voltage regulators, including electromechanical voltage regulator ,
Electronic voltage regulator Servo voltage regulator.

Main Features

- High reliability and availability
- SCR non-contact switch optical coupling isolation industrial MCU control
- Split phase regulating automatically, good performance
- Quick response for voltage regulating
- High efficiency
- Digit Display output:voltage,current

Specification

Input

★ Voltage:1 phase 120v+/-20%(96v-144v), 1 phase 220v+/-20%(176v-264v),3 phase 380v+/-20%(304v-456v) or as per your requirement(select one individual voltage)
★ Frequency:45hz-65hz

Output

★ Voltage:1 phase 120V,1 phase 220V or 3x220V/380V Or as per your requirement(select one individual voltage)
★ Frequency:45Hz-65Hz
★ Voltage Regulation:+/-2%
★ Regulation Rate:25V/S
★ Distortion:Same as Input

Protection

★ Over/under voltage,
★ Over current,Over load,
★ Missing phase,Short circuit,
★ Self diagnose and alarm
★ By-pass function,Self diagnose and alarm

Display:

★ LCD/LED/Meter:Voltage,Current,

Working condition

★ Temperature:-10 to 40℃
★ Noise:< 65dB within 1 meter
★ Altitude<1800m

Reliability

★ Mean Time Between Failure(MTBF) 50,000H
★ Mean time to restoration(MTTR)< 30 min