



3-PHASE AC POWER SOURCE PSI1000C SERIES

VARIABLE FREQUENCY TEST POWER SUPPLY

Starting with 2.5kVA up to 10kVA the PSI-Compact Series provides a wide power range. With small device dimensions it is especially suitable for development use in laboratories where setups and places change from time to time.

The precise digital regulation ensures stable output voltage independent from line voltage and output load.

They are ideally suitable for routine tests of home appliances and other products. Two power ranges allow optimal adaption to higher current requirements at low voltages. The output frequency can be adjusted between 45-65Hz.

By the innovative and efficient frequency converter technique, a sinusoidal output voltage with low harmonic is generated.

Operation can be done via a touch panel, web browser or PC remote control software.

KEY FEATURES

- 3-phase AC power source
- 2.5kVA, 5.0kVA or 10kVA
- Voltage range 0-240V and 0-480V
- Output frequency 45-65Hz
- Single phase operation possible
- Isolated output
- Touch display, Ethernet interface

KEY BENEFITS

- Energy efficient and compact
- Sinusoidal output, low distortion
- Precise voltage regulation
- Easy operation
- Remote control

APPLICATIONS

- Industrial production test
- Research and development
- Burn in or heat run tests
- Network simulation
- Test of home appliances, motors, transformers

TECHNICAL SPECIFICATIONS

3-PHASE AC POWER SOURCE PSI1000C SERIES

Model	PSI1002C	PSI1005C	PSI1010C
Output power	2.5kVA	5kVA	50kVA
Output ranges 3-Phase	240V LL / 140V LN 6A 480V LL / 280V LN 3A	240V LL / 140V LN 12A 480V LL / 280V LN 6A	240V LL / 140V LN 24A 480V LL / 280V LN 12A
Output ranges 1-Phase Option -1PH	140V, 10A 280V, 5A	140V, 20A 280V, 10A	140V, 40A 280V, 20A
Output frequency	45-65Hz ¹⁾		
Distortion	<1% ²⁾		
Input voltage	3AC380-480V 50-60Hz		
Input current	5A	9A	18A
Measurements	voltage, current, power, power factor, frequency, accuracy better 0.5%		
Protection	Overcurrent, overvoltage, overtemperature		
Dimensions (WxHxD)	550x600x500mm	550x600x600mm	550x800x600mm
Weight	60kg	85kg	115kg

¹⁾ other on request ²⁾ at 20-100% of voltage range



SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies and measuring instruments. Experts in electrical testing and automation, our company offers a broad range of highperformance full-service testing solutions and measuring instruments. We provide clients in the automotive, aerospace, energy and traditional industry sectors with the equipment they need to test high power components, such as chokes, transformers and electric motors..