

Three phase 126 kVA / 144 kVA AC Power Source

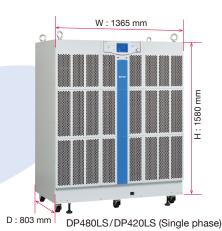
Three

Programmable AC Power Source DP series

DP420LS: Single phase 42 kVA DP480LS: Single phase 48 kVA







Features

and Low noise:

High efficiency 77% or more: Due to less waste heat, the cost burden for air conditioning

equipment is lower.

Superior transient stability

Due to Hybrid Power Control, DP series drive a wide range of

load with very low noise.

Current limiter function: Controlling the inrush current of the motor and transformer by the

limiter, the exceeding current reduced. So the extra power capacity

is not needed.

Reverse power flow 100% (20 ms): At the test of the inverter with PFC reactor, DP420LS/DP480LS

can absorb instantaneous reverse power flow without external

resistance.

Simple wiring:
Due to the input and output terminal at each phase, Less wiring

required.

Low audible noise: Variable speed fan work flexibly.

Applications

Large scale grid-tied inverter test

Power solution for EMC chamber and Open-Air test sites

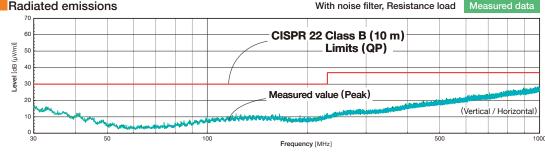
AC test power for large scale equipment / EMC testing

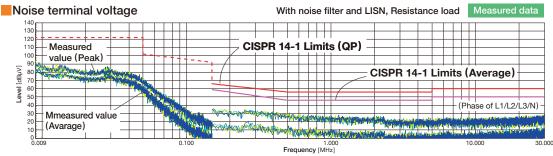
Large scale air conditioning systems, Chillers, Medical system, Printing equipment, Semiconductor fab equipment, SMT placement equipment, Elevator/Escalator and Industrial robot

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Power solution for EMC chamber and Open-Air test sites

The best power solution for measuring conductive noise. Due to a low noise output, the background noise is almost same as the ambient signal as just the measurement equipment working.





Major specifications and Functions

More specifc detailes, contact for us

Power capacity :

DP420LS: Single-phase 42 kVA DP480LS: Single-phase 48 kVA Poly-phase system: Configure Single-phase three-wire by two products, Configure Three-phase four-wire by three products

- AC / DC mode : AC, ACDC, DC
- Output voltage and Frequency

		100 V range	200 V range	Resolution
AC	Voltage	0 V to 160 V	0 V to 320 V	0.1 V
	Frequency	AC: 40 Hz to 550 Hz ACDC: 1 Hz to 550 Hz		0.01 Hz
DC	Voltage	- 227 V to +227 V	- 454 V to +454 V	0.1 V

Maximum current : (100V range / 200V range)

DP420LS: 420 A / 210 A DP480LS: 480 A / 240 A

•Maximum peak current :

Peak value (Apk) which is three times of the maximum current

Short reverse power flow :

Less than 100% of Maximum current (RMS) (reverse power flow time ≤ 20 ms, discontinuous, less than 40°C)

•Fluctuation with output current (100 V range / 200 V range) : Within $\pm 0.15 \text{ V} / \pm 0.30 \text{ V}$

(In the case that the output current is changed from 0% to 100% of the maximum current. DC or 45 Hz to 65 Hz.)

- Distortion of output Voltage Waveform :
- 0.5% or lower (40 Hz to 550 Hz)
- Power input (Specified when order): Overvoltage Category II, 3P3W AC200 V to 220 V $\pm 15\%$ (max. 250 V) or 3P4W AC380 V $\pm 15\%$ (max. 433 V), 50 Hz / 60 Hz ±2 Hz, Power factor 0.90 or higher (typ.), Efficiency 77% or higher (typ.), Power consumption DP420LS: 63 kVA or lower, DP480LS: 72 kVA or lower

Lineup for High Power Applications

•Measurement function :

RMS / peak / average values of the output voltage / current, current peak-hold values, active / apparent / reactive power, the power factor, the crest factor, and harmonic current (40th max.), synchronization frequency

Variable current limiter :

Effective value, positive/negative peak value

- Remote sensing, AGC (Automatic Gain Control). Autocal (Output Voltage Compensation), Sequence function, Voltage fluctuation testing function, clipped sine wave, arbitrary waveform
- Power Unit Energization Setting
- External Control I/O :

Used to control Voltage Dip simulator and Reference impedance network

Interface :

Standard: RS-232, USB Selectable: GPIB or LAN

Control Software included by default : Enables control of basic parameters for output via a PC, including data logging, and creating/editing of sequence, simulation and arbitrary waveforms.

Dimensions :

1365(W) × 1580(H) × 803(D) mm

Weight :

DP420LS: 600 kg approx. DP480LS: 650 kg approx.

*Note: The contents of this catalog are current as of July 1st, 2019

- Products appearance and specificaitons are subject to change without notice.
- Before purchase contact us to confirm the latest specifications, price and delivery date.

DP240S : Single-phase 24 kVA DP360S: Single-phase 36 kVA A three-phase model can be

DP360S

- configured by connecting 3 units.
- Contact us for detailed specifications.



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DP240S

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