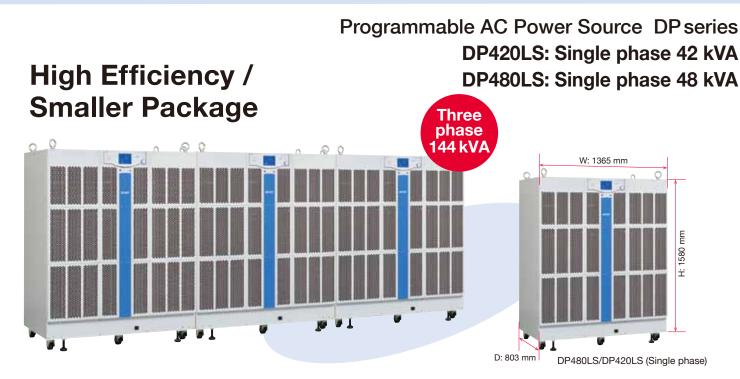


Three phase 126 kVA / 144 kVA AC Power Source



Features

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

Smaller package :

Superior transient stabilitiy and Low noise:

Current limiter function:

Simple wiring:

Low audible noise :

air conditioning equipment is lower.

Small bottom area means enhanced flexibility to install.

Due to Hybrid Power Control, DP series drive a wide range of load with very low noise.

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.

Due to the input and output terminal at each

phase, Less wiring required.

Variable speed fan work flexibly.

Rear of three phase 144 kVA



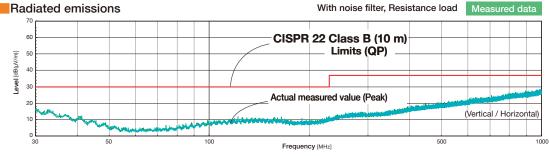
Applications

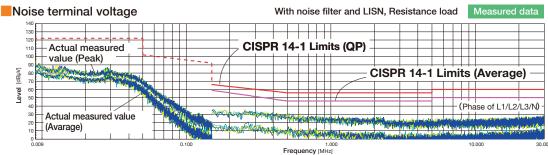
- Large scale grid-tied inverter test
- Power solution for EMC chamber and Open-Air test sites
- AC test power for large scale equipment / EMC testing Large scale air conditioning systems, Chillers, Medical system, Printing equipment, Semiconductor fab equipment, SMT placement equipment, Elevator/Escalator and Industrial robot



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, AC + DC, DC (Single-phase only)

Output voltage and Frequency

		100 V range	200 V range	Resolution
AC	Voltage	0 V to 155 V	0 V to 310 V	0.1 V
	Frequency	AC: 40 Hz to 550 Hz AC+DC: 1 Hz to 550 Hz		0.01 Hz
DC	Voltage	- 220 V to +220 V	- 440 V to +440V	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 \leq 20 ms, discontinuous, less than 40 °C)

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

Voltage 200 V \pm 15 % (Three-phase three wire), Frequency 50 Hz \pm 2 Hz or 60 Hz \pm 2 Hz, Power factor 0.90 or higher (typ.), Efficiency 77 % or higher (typ.), Maximum power consumption DP420LS: 63 kVA or lower, DP480LS: 72 kVA or lower

•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

External 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:

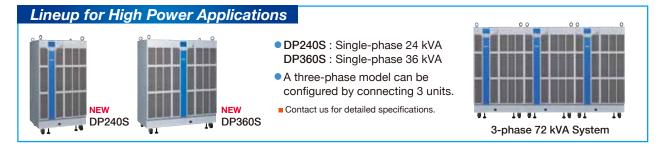
1365 (W) ×1580 (H) ×803 (D) mm

Weight :

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

*Note: The contents of this catalog are current as of October 10 , 2017

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



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