

High Voltage Power Supply

- ✓ Switchmode power conversion technology
- ✓ Bright display and user friendly interface
- ✓ Safety switch mode
- ✓ Arc detection circuitry (CL)
- ✓ Built-in earth detection (CL)
- ✓ Current limitation feature (CL)



Model :PS50-PCL



Model: PS 35-PV

NLI high voltage power supply (HVPS) units are designed based on switch mode power conversion technology. Its design is compact and lightweight, making them suitable for demanding laboratory and OEM applications such as capacitor testing, free electron laser, ion implantation, physical vapor deposition, capillary electrophoresis, electrospinning, electrospaying, ion-beam assisted deposition, ion sources, etc.

Low cost, advanced safety features and high flexibility in research operation are some of the advantages of NLI high voltage units. These units are general purpose instruments

V	CL
PSX-PV	PSX-PCL
PSX-NV	PSX-NCL

X: Maximum voltage=35, 50

V series: Analog control with digital voltage display

Nomenclature Example:

PS35-PCL: 35kV, Positive, CL series

PS50-NV: 50kV, Negative, V series

Specifications*

Input power	100-240VAC;50-60 Hz
Max. output voltage	35KV, 50KV
Power	35 Watt
Ripple	Less than 0.1%
Stability	0.1% per hour after 1/2 hour warm-up
Efficiency	Typically 80% at full load
Operating temperature	-5 to +45 ° C
Voltage monitoring	Digital, Accuracy: 0.1 kV
Current monitoring	Digital, Accuracy: 1µA (CL)
Casing material	Metal panel with epoxy paint
Dimensions (LxWxH)	38 x 34 x 12 cm (V) 43 x 34 x 12 cm (CL)
Safety	All series: Safety switch CL series: Earth detection, Overcurrent protection, Arc detection (Optional)
Weight	7 to 8 kg (V), 8 to 10 kg (CL)

*Product specifications are subject to change without prior notice due to engineering innovations.



Nanolab Instruments Sdn Bhd

Suite #532, 51-G, Jalan USJ 10/1, 47620 Subang Jaya, Selangor Darul Ehsan, Malaysia. Tel: +603-8023 3601

Website: www.nanolab-i.com; Email: info@nanolab-i.com

