



# High Voltage Power Supply



NLI high voltage power supply (HVPS) units are small and lightweight, making them suitable for demanding laboratory and other applications such as capacitor testing, free electron laser, ion implantation, physical vapor deposition, capillary electrophoresis, electrospinning, 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 designed for laboratory environments.

Available Series		
V	CL	CLU
PSX-PV	PSX-PCL	PSX-PCLU
PSX-NV	PSX-NCL	PSX-NCLU

- X** : Maximum voltage=35-100
- V series** : Analog control with digital voltage display
- CL series** : digital with closed loop control
- CLU series** : digital with closed loop control and USB port for controlling by software

### Nomenclature Example:

**PS35-PCL:** 35kV, Positive, CL series

**PS40-NCLU:** 40kV, Negative, CLU series

Specifications*	
<b>Input power</b>	100-240VAC;50-60 Hz
<b>Max. output voltage</b>	35-100kV
<b>Power</b>	30 Watt
<b>Ripple</b>	Less than 0.1%
<b>Stability</b>	0.1% per hour after 1/2 hour warm-up
<b>Efficiency</b>	Typically 80% at full load
<b>Operating temperature</b>	-5 to +45 ° C
<b>Voltage monitoring</b>	Digital, Accuracy: 0.1 kV
<b>Current monitoring</b>	Digital, Accuracy: 1µA (CL & CLU)
<b>Casing material</b>	Metallic
<b>Dimensions (LxWxH)</b>	34 x 29 x 11 cm (V) 40 x 34 x 11 cm (CL&CLU)
<b>Safety</b>	All series: Safety switch CL&CLU series: Arc detection, Earth detection, Overcurrent protection
<b>Weight</b>	5 kg (V), 8kg (CL&CLU)

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