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high voltage



High Voltage for Industry Applications

APS-/BPS-HV-PCB-Modules (0,6 W/3W)

CPS-/EPS-HV-Module (12 W/60 W)
DPS Precision-HV-Module (12 W)

19" High Voltage Power Supplies (0,2 - 3 kW)
GPS and HPS series

The product range of this HV PS covers the power range of **0,5 up to 3000 W** without any gaps. With the help of combinations of certain modules even higher power is available.

The HV units are offered as DC/DC Converters with input voltages of 12/15 V resp. 24 V or as AC/DC Converters with 230 or 400 VAC mains input voltage.

Starting from our standard programme we are developing High Voltage Power Supply units which are based on the customers' specifications and matched to the needs of our customers.

Enclosures, input voltages, interfaces, control and monitor elements are, with respect to the possible technology, free of choice.

Our special resonance mode principle gives us the opportunity to develop units with very high efficiency.

High Voltage for Laboratories and Physics

SHQxxx/High Voltage Desk Top PS

EHQxxx/HV-PS in 3U Eurocassette
NHQxxx/HV-PS in NIM
CHQxxx/HV-PS in CAMAC
VHQxxx/HV-PS in VME

This product family offers High Voltage power supplies with output voltages up to 8 kV (optionally 10 kV) in different standard or special enclosures, especially for use in Labs and in research. The units are extraordinary suited to the use at detectors, sensors and other systems, which need a High Voltage with low noise and high stability. The two channel versions offer 2 fully independent channels.

All sizes – which are used in research – are offered:

High Voltage PS following the BUS standards **NIM, VME, CAN, CAMAC** and in **Eurocassette** 3 units of height and in **Desk Top** units. Resolution of voltage measurement up to **10 mV** and current measurement up to **100 pA** are possible. Ripple & noise is typically less than **2 mV_{P-P}**!

Multi Channel High Voltage Systems

EHQ 8006-F 8 channel HV-PS (0,5 kV - 4 kV)
EHQ Fxxx 16 channel HV-PS (0,5 kV - 4 kV)
EHQ 20 xxx 32 channel HV-PS (1,5 kV - 2,5 kV)

Detector-Systems, e.g. in Nuclear-, Particle- and High Energy-Physics need a remarkable number of HV Power Supplies, which have to be controlled and monitored individually. **iseq offers a modular HV PS concept, without any initial costs.** Either each single unit or the complete system can be controlled via the CAN interface (Controller Area Network). The modules are mounted into cost effective, **standardised industrial made 19" Crates**. The crates carry all necessary power provided by industrial made Power Supplies and also all CAN Bus Links.

PHQ-Photo Multiplier Base Integrated HV-PS

There are many reasons for generating the PMT dynode and cathode voltages on the base itself; this saves the cost and inconvenience of separate power supplies, high voltage cables and connectors, takes less room and is safer. The design is adaptable to all PMT types and is with its I/O features either under analogue or optionally under digital control. The PHQxxx HV supply uses a proprietary structure based on a patented principle in order to achieve stability, extra voltage regulation, low noise, low radio interference and low power consumption. We offer these designs at very reasonable prices.