



VHS

VERSATILE HIGH VOLTAGE MODULE IN VME STANDARD



- ▶ 2 / 4 / 12 channel, 500 V - 20 kV versions
- ▶ low ripple and noise
- ▶ hardware voltage and current limits
- ▶ voltage and current control per channel
- ▶ programmable parameters (delayed trip, ramp etc.)
- ▶ low voltage configurations possible (VMS modules)

The VHS modules of this series are multichannel high voltage power supplies in VME standard. With up to 12 channels each single channel has an independent voltage and current control.

Being offered in different configurations this module perfectly covers various types of applications such as detector supply, experimental setup or lab use. The module is made of high precision components such as 24 bit ADC and 20 bit DAC and provides comprehensive security features.



SPECIFICATIONS / SPEZIFIKATION

Ripple and noise	< 10 mV
Resolution voltage setting	$2 \cdot 10^{-6} \cdot V_{nom}$
Resolution current setting	$2 \cdot 10^{-6} \cdot I_{nom}$
Resolution voltage measurement	$2 \cdot 10^{-6} \cdot V_{nom}$
Resolution current measurement	$2 \cdot 10^{-6} \cdot I_{nom}$
Accuracy voltage measurement *	$\pm (0.01 \% \cdot V_{out} + 0.02 \% \cdot V_{nom})$
Accuracy current measurement *	$\pm (0.01 \% \cdot I_{out} + 0.02 \% \cdot I_{nom})$
Rate of voltage change	up to $0.2 \cdot V_{nom} / s$ opt. up to $0.75 \cdot V_{nom} / s$
HV connector	R51 SHV
Case	6U VME cassette, width 1 slot / 2 slot
Protection	INHIBIT, Safety loop, overload, hardware V/I limits

* All specifications guaranteed from $1\% \cdot V_{nom} < V_{out} < V_{nom}$

ORDER & OPTIONS / BESTELLINFORMATIONEN

OPTION	ORDER INFO	EXAMPLE
POLARITY	positive: x = p , negative: x = n	VHS 40 05 p
REDEL connector	R51	
INHIBIT - down	ID	
INHIBIT - up	IU	

CONFIGURATIONS / KONFIGURATIONEN

MODEL	CHANNELS	OUTPUT VOLTAGE	OUTPUT CURRENT	SLOTS	HV CONNECT
VHS 40 05 x	4	500 V	15 mA	1	SHV
VHS C0 05 x	12	500 V	15 mA	2	SHV R51
VHS 40 10 x	4	1 kV	8 mA	1	SHV
VHS C0 10 x	12	1 kV	8 mA	2	SHV R51
VHS 40 20 x	4	2 kV	4 mA	1	SHV
VHS C0 20 x	12	2 kV	4 mA	2	SHV R51
VHS 40 30 x	4	3 kV	3 mA	1	SHV
VHS C0 30 x	12	3 kV	3 mA	2	SHV R51
VHS 40 40 x	4	4 kV	2 mA	1	SHV
VHS C0 40 x	12	4 kV	2 mA	2	SHV R51
VHS 40 60 x	4	6 kV	1 mA	1	SHV
VHS C0 60 x	12	6 kV	1 mA	2	SHV R51
VHS 20 80 x	2	8 kV	1 mA	2	SHV
VHS 20 100 x	2	10 kV	0.7 mA	2	SHV
NEW VHS 20 100 x	2	20 kV	0.4 mA	2	SHV

Other configurations on request! Andere Konfigurationen auf Anfrage.



iseg Spezialelektronik GmbH

Bautzner Landstr. 23
01454 Radeberg
Germany

phone: +49 351 26996-0
Fax: +49 351 26996-21
e-mail: info@iseg-hv.com

iseg is a manufacturer of very precise and stable High Voltage Power Supplies with focus on physics and industrial applications. The product portfolio includes AC/ DC, DC/DC and modular High Voltage systems. The company was founded in 1995. Continuous growth and innovation strengthened the company's market position. iseg is well known for the development of outstanding custom specific solutions for various special applications.