



WIENER Multi Channel Power Supply Systems

In addition to the well approved 6 / 8- and 12- channel high power units of PL 5xx and MARATON-Series **W-IE-NE-R** presents now **Mpod**, the new compact universal multichannel low- and high- Voltage system, featuring:

- 19" Bin with module cage for 10 LV or HV modules
- 2 and 8 channel low voltage modules
- 4 to 32 channel high voltage modules
- LV and HV modules freely combinable
- MPOD-Controller with Ethernet, CANbus and USB interface, interlock input,
- Web-ready + SNMP, OPC server , EPICS supported
- Optional graphic display + local monitoring and programming,
- 8U bin for bottom cooling air intake, 9U high with dust filter
- Modular design: fan tray and primary power supply easily removable



Mpod mini - 4 HV/LV slots

- 19" rack mountable or desktop unit
- 4 HV and / or LV module slots
- Max. 32 LV channels (4 modules)
- Max. 128 HV channels (4 modules)
- MPOD controller with Ethernet and USB

www.wiener-d.com

W-IE-NE-R, Plein & Baus GmbH., Muellersbaum 20, 51399 Burscheid, Germany
Phone: +49-2174-678-0 FAX: +49-2174-678-32



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LV Modules Features

- Low Voltage floating modules with 8 channels of 10A / 50W max. with 8V, 16V, 30V, 60V and 120V ranges,
- 2 channel high current modules (250W) in development
- Low noise and ripple, all DC outputs floating with individual return lines, individually sensed
- Voltage and current settings / monitoring for each channel, 15 bit resolution, 0.2% / 10K output voltage stability
- Programmable channel parameters (voltages, currents, powers and their limits, ramping, group behavior, etc.) and monitoring via Ethernet and USB

LV Modules, FLOATING

LV-Type	Channels	Voltage range	Max Current	Peak power	Resolution V, I	Ripple
MPV 8008L	8	0V ... 8V	5A	40W per channel	12bit	<10mV _{pp}
MPV 8008	8	0V ... 8V	10A	50W per channel	12bit	<30mV _{pp}
MPV 8015	8	0V ... 15V	5A	50W per channel	12bit	<10mV _{pp}
MPV 8030	8	0V ... 30V	2.5A	50W per channel	12bit	<10mV _{pp}
MPV 8060	8	0V ... 60V	1A	50W per channel	12bit	<10mV _{pp}
MPV 8120	8	0V ... 120V	0.1A	20W per channel	12bit	<10mV _{pp}

HV Modules Features

- ISEG High Voltage modules with 32/16/8/4 channels for 500V to 10kV, positive, negative or bipolar (+/-0.5 and +/-3kV)
- Extremely low noise and ripple: <5mV_{pp} to <10mV_{pp}
- Voltage and current settings / monitoring for each channel, 16 to 21 bit resolution
- High precision series with 50pA current resolution
- common ground or floating module versions (20V standard, 200V and 2kV on request)
- output connectors: 4 / 8 channel modules SHV or REDEL (≤4kV) multi pin, 8 and 10kV: KINGS
16 channel modules SHV or REDEL (≤4kV) multi pin
32 channel modules REDEL multi pin



8/16 channel EHS HV modules, COMMON-GND / FLOATING

Type	Channels	V max	I max	V res	I res	Ripple
EHS 4v100x_504 (-F)	4	10000V	0.5mA	200mV	10nA	<50mV
EHS 8v80x_105 (-F)	8	8000V	1mA	120mV	20nA	<30mV
EHS 8v60x_105 (-F)	8	6000V	1mA	120mV	20nA	<30mV
EHS 8v40x_205 (-F)	8	4000V	2mA	80mV	40nA	<10mV
EHS 8v30x_305 (-F)	8	3000V	3mA	60mV	60nA	<10mV
EHS 8v20x_405 (-F)	8	2000V	4mA	40mV	80nA	<10mV
EHS 8v10x_805 (-F)	8	1000V	8mA	20mV	120nA	<10mV
EHS 8v05x_156 (-F)	8	500V	15mA	10mV	300nA	<10mV
EHS Fv40x_205 (-F)	16	4000V	2mA	80mV	30nA	<10mV
EHS Fv30x_305 (-F)	16	3000V	3mA	60mV	40nA	<10mV
EHS Fv20x_405 (-F)	16	2000V	4mA	40mV	60nA	<10mV
EHS Fv10x_805 (-F)	16	1000V	8mA	20mV	120nA	<10mV
EHS Fv05x_156 (-F)	16	500V	15mA	10mV	200nA	<10mV

- v =
- "0" standard common ground series
 - "2" high precision common floating ground series
 - "2 -F" high precision individual floating series
 - "6 -F" standard individual floating series

16 / 32 channels EDS Distribution modules, COMMON-GND

Type	Channels	V max	I max	V res	I res	Ripple
EDS F130x_504	16	3000V	0.5mA	120mV	100nA	<20mV
EDS F025x_504	16	2500V	0.5mA	100mV	10nA	<20mV
EDS F005x_105	16	500V	1mA	20mV	20nA	<20mV
EDS 20 130x_105	32	3000V	0.5mA	120mV	100nA	<20mV
EDS 20 025x_504	32	2500V	0.5mA	100mV	10nA	<20mV
EDS 20 005x_105	32	500V	1mA	20mV	20nA	<20mV

8/16 channel EBS Bipolar HV modules, COMMON-GND

Type	Channels	V max	I max	V res	I res	Ripple
EBS 8 030	8	+/-3000V	+/-0.5mA	50mV	200nA	<10mV
EBS 8 005	8	+/-500V	+/-1mA	20mV	100nA	<10mV
EBS F 030	16	+/-3000V	+/-0.5mA	50mV	200nA	<10mV
EBS F 005	16	+/-500V	+/-1mA	20mV	100nA	<10mV

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