

OEM HV POWER SUPPLIES FOR POCKELS CELL DRIVERS

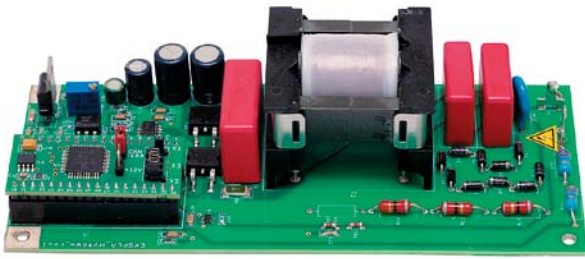


Fig.1. HV40Wm power supply

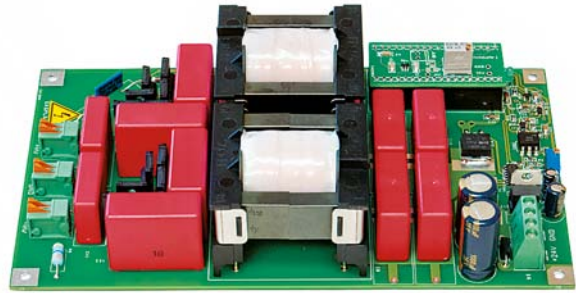


Fig.2. HV120Wm, HV2x60Wm power supply

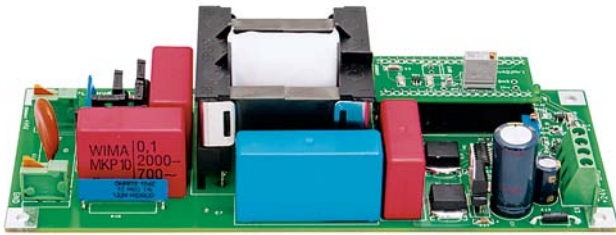


Fig.3. HV80Wm power supply

Power supply HVxxWm series is designed for powering pockels cell driver with appropriate power and voltage requirement. Due to its performance and reliable design, HVxxWm is good choice for OEM customers. Table below shows basic specifications of HV power supplies. Particularly "Maximal output high voltage" row gives reference of maximal achievable voltage for particular model limited by design. For specific driver this limitation is different. E.g. for the driver PCD-UHR1-1000-1.8 voltage control limits are made from 0.8 kV to 1.8 kV typically.

SPECIFICATIONS

Model	HV05Wm	HV40Wm	HV80Wm	HV120Wm	HV2x60Wm
Maximal output high voltage ¹⁾	4 kV	4 kV	4 kV	4 kV	+2 kV; -2 kV
Voltage control limits	-1 kV from maximal value				
Maximal output power at maximal output voltage	5 W	40 W	80 W	120 W	2x60 W
Output voltage control options ²⁾	CAN interface ³⁾ , internal trimmer				
External powering	24 V DC, <15 W ⁴⁾	24 V DC, <50 W	24 V DC, <90 W	24 V DC, <150 W	24 V DC, <150 W
Dimensions (L x W x H)	135 x 70 x 30 mm	160 x 70 x 40 mm	175 x 70 x 45 mm	175 x 110 x 45 mm	175 x 110 x 45 mm
Mounting holes Ø3.4 mm location	125 x 35 mm	150 x 60 mm	165 x 60 mm	165 x 100 mm	165 x 100 mm

¹⁾ Matching to pockels driver voltage requirement is advisable by ordering.
²⁾ Needs to be indicated by ordering.
³⁾ Requires USB-CAN converter for computer control that sold separately.
⁴⁾ Optionally 12 V DC, <15 W.