

# High Insulated Power Supply for Power Semiconductor Applications



## Features:

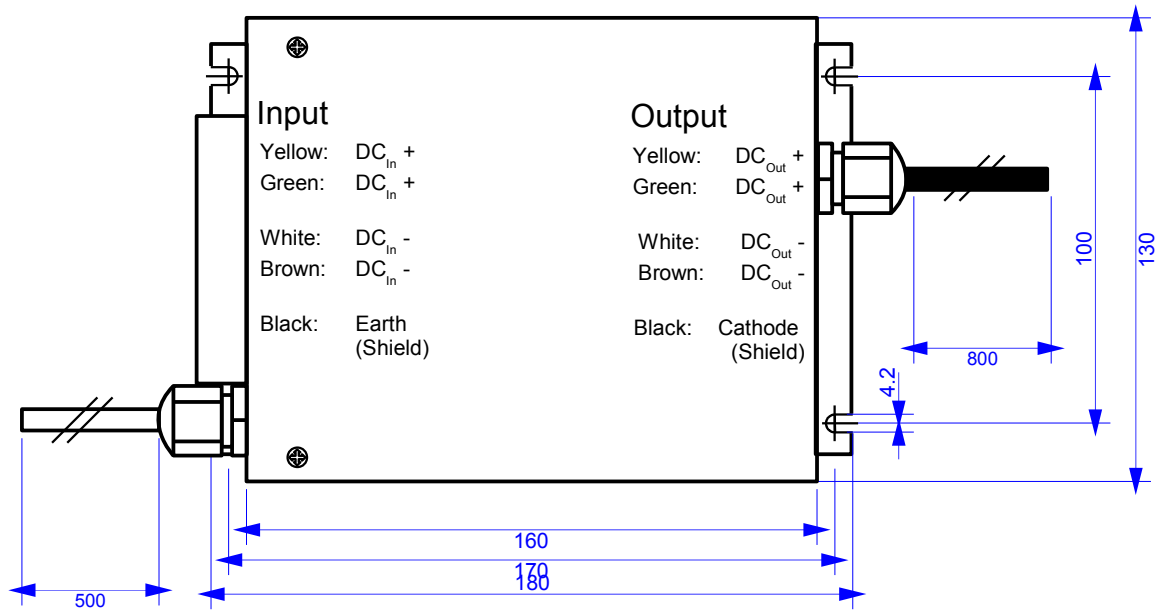
- High insulation voltage up to 12kV between input and output shield
- Output power up to 100W
- Ideal power supply for multi-level convertor application with IGCT
- Short-circuit protected
- Input and output connection with cables

## Detail specification:

Parameter	Test condition	Min	Typ	Max	Unit
Input voltage	DC Voltage	22	24	26	[VDC]
Output voltage	DC Voltage	32	33	34	[VDC]
Maximum output power	$V_{in} \geq 24V, T_{amb\_Max} = 40^{\circ}C$		100		[W]
Input power consumption	$P_{out} = 100W, V_{in} = 24V$		120		[W]
Trafo Insulation Test voltage	50Hz AC Voltage, 1 minute	24			[kV]
Insulation capacitance	Primary - Secondary		20		[pF]
Short current	Output shortened		6		[A]

<b>Astrol Electronic AG</b> Gewerbehauas Casora CH - 5452 Oberrohrdorf			Title VS-100W33V-12KV-01 Technical specification				
			Changes:				
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Primary DC- and Earth(Shield) can be connected together

Material Polystyrol (PS)	4 & 6	[mm]
Thermostability	80	[°C]
Dielectric strength	50	[kV/cm]
Surface resistance	$> 10^{13}$	[ $\Omega$ ]
Conductance	$> 10^{16}$	[ $\Omega$ ]
Moisture absorption	0.06	[%]
Cable diameter	0.75	[mm <sup>2</sup> ]
Equipment weight	1.32	[kg]
Size	180x130x70	mm <sup>3</sup>
Standard of housing	UL 94 C	

## Order information:

### Number

AC-10253-001

### Name

VS-100W33V-12kV-01

## Astrol Electronic AG

Gewerbehäus Casora  
CH - 5452 Oberrohrdorf

Title

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