

# IVT-1260/2460 Patent Pending

## Generator Auxiliary Excitation Booster

Converts DC battery power into AC power source for use by the AVR to boost motor starting capacity in shunt generators

### Features

- Exceeds normal generator motor starting capabilities
- Provides the load response benefits of a PMG
- Easy to install and maintenance free
- Compact size & high efficiency
- Battery voltage abnormal protection function
- Battery input reverse polarity protection function
- Battery current limit protection function
- Power output self-test function
- Built-in DC bolt-on fuse
- Very low power consumption in hibernate mode
- Lower cost than PMG kit



IVT-1260

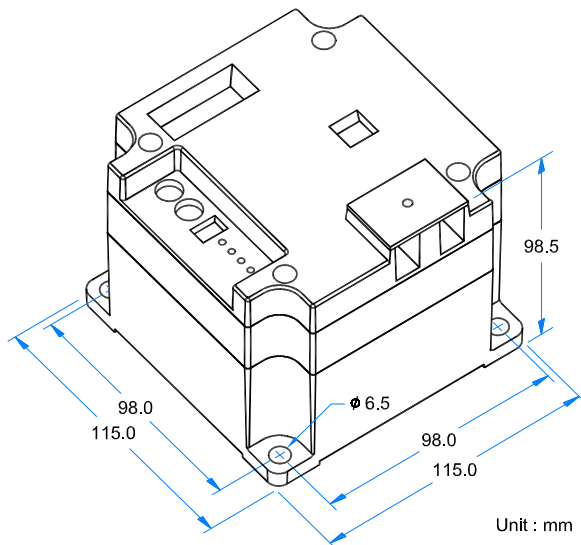
Applicable AVR Models, including the following (Suitable for any full wave AVR equipped with AUX. power input)

<b>KUTAI</b>	EA08A, EA448, ADVR-12, ADVR-2200M	<b>Basler</b>	AVC63-12, AVC125-10
<b>Leroy Somer</b>	R448, R449, R438	<b>Caterpillar</b>	VR6

### Specifications

<b>Sensing Input</b>	Voltage	80-600 Vac single phase	<b>Input Current Limited</b>	IVT-1260 @ 60A	
	Frequency	50 / 60 Hz		IVT-2460 @ 30A	
<b>Power Input</b>	IVT-1260	12 Vdc / 60A Battery	<b>Battery Voltage Range</b>	IVT-1260 @ 8-14 Vdc	
	IVT-1260	24 Vdc / 30A Battery		IVT-2460 @ 16-28 Vdc	
<b>Output</b>	Voltage	180 Vac	<b>Static Power Consumption</b>	< 1 watt (hibernate < 0.5 watts)	
	Max. output	500 VA		<b>Environment</b>	Operation Temperature -40 - +70 °C
	Frequency	400-480 Hz			Storage Temperature -40 - +85 °C
<b>Response Time</b>	10 ms			Relative Humidity Max. 95%	
<b>Efficiency</b>	>90% @ Full load			Vibration 3Gs @ 100-2K Hz	

### Mechanical Specifications



### Adjustment

<b>Drop %</b>	Level of sensitivity set on the trigger ( 10% to 19% )
<b>Time ON</b>	Power output activation time ( 15s to 60s )

### Indicators

<b>Output</b> LED	Boost Power ON LED indicator
<b>Ready</b> LED	Ready for output LED indicator
<b>Test</b> LED	Self-Test in progress LED indicator
<b>Batt-Volt</b> LED	Battery Voltage abnormal LED indicator
<b>OVLD</b> LED	Overload LED indicator

### Physical Specification

<b>Dimensions</b>	115.0 (L) x 115.0 (W) x 98.5 (H) mm
<b>Weight</b>	2400 g +/- 2%